



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>01 - English Language and Literature</b>				
<b>Comprehensive Language Arts</b>				
	01026	Language Arts (early childhood education)	00E EC, 00E ELE	Language Arts (early childhood education) courses develop students' readiness for language arts learning in reading, writing, listening, and speaking. Courses may include activities related to phonics, phonemic awareness, and vocabulary. Content is age appropriate and conforms to any existing state standards for early childhood education.
	01027	Language Arts (pre-kindergarten)	00E EC	Language Arts (pre-kindergarten) courses develop students' readiness for language arts learning in reading, writing, listening, and speaking. Courses may include activities related to phonics, phonemic awareness, and vocabulary. Content is age appropriate and conforms to any existing state standards for pre-kindergarten education.
	01028	Language Arts (kindergarten)	00E EC, 00E ELE	Language Arts (kindergarten) courses engage students in activities to develop their language arts skills (reading, writing, listening, and speaking). Course content may emphasize storytelling or reading aloud and evoking a written, oral, or pictorial response. Specific content depends upon state standards for kindergarten.
	01029	Language Arts (grade 1)	00E EC, 00E ELE	Language Arts (grade 1) courses include the four aspects of language use: reading, writing, speaking, and listening. These courses may emphasize recognition of and response to various types of text, extension of vocabulary and writing skills, and the connection of language to the expression of ideas. Specific content depends upon state standards for grade 1.
	01030	Language Arts (grade 2)	00E EC, 00E ELE	Language Arts (grade 2) courses include the four aspects of language use: reading, writing, speaking, and listening. These courses may emphasize independent reading and writing by increasing reading and writing fluency, vocabulary, and recognition of word and language patterns. They may also introduce or reinforce the rules of grammar. Specific content depends upon state standards for grade 2.
	01031	Language Arts (grade 3)	00E EC, 00E ELE	Language Arts (grade 3) courses include the four aspects of language use: reading, writing, speaking, and listening. These courses may emphasize independent reading and writing in a variety of assignments. Some emphasis may also be placed on presentation or oral communication skills. Specific content depends upon state standards for grade 3.
	01032	Language Arts (grade 4)	00E ELE, 01M ENG	Language Arts (grade 4) courses include the four aspects of language use: reading, writing, speaking, and listening. These courses may emphasize independent reading and writing in a variety of assignments and require students to respond to different material in different ways. Grammar and usage of the English language may also be emphasized. Specific content depends upon state standards for grade 4.
	01033	Language Arts (grade 5)	00E ELE, 01M ENG, 01S ENG	Language Arts (grade 5) courses include the four aspects of language use: reading, writing, speaking, and listening. These courses may extend students' skills in composition, writing for particular purposes or audiences, distinguishing meaning and literary functions in texts, and fluency in reading. Specific content depends upon state standards for grade 5.
	01034	Language Arts (grade 6)	00E ELE, 01M ENG, 01S ENG	Language Arts (grade 6) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and include the four aspects of language use: reading, writing, speaking, and listening. These courses may emphasize the use of language for different effects, in different contexts, and for different purposes. Specific content depends upon state standards for grade 6.
	01035	Language Arts (grade 7)	00E ELE, 01M ENG, 01S ENG	Language Arts (grade 7) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and include the four aspects of language use: reading, writing, speaking, and listening. Beyond emphasizing different uses for language, these courses may also include using language (particularly written text) to construct meaning and connections. Specific content depends upon state standards for grade 7.
	01036	Language Arts (grade 8)	00E ELE, 01M ENG, 01S ENG	Language Arts (grade 8) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses use various genres of literature to improve reading skills, and they link writing exercises for different purposes to those reading selections. Specific content depends upon state standards for grade 8.
	01037	Language Arts—General	00E ELE, 01M ENG, 01S ENG, 00E EC, 32A HI, 32A SPE, 32A VI	Language Arts—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by third grade, students should know and be able to do..."). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Language Arts, early childhood education through grade 8).]

\*\* This course is considered a Core Course



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<b>01 - English Language and Literature</b>				
<b>Comprehensive Language Arts</b>				
	51008 **	English as a Second Language	06A ESL	English as a Second Language (ESL) courses are designed for the rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. ESL courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. These courses provide an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then to advance to "regular" English courses. ESL classes may also include an orientation to the customs and culture of the diverse population in the United States.
<b>Literature/Reading</b>				
	01038	Reading (early childhood education)	00E EC, 00E ELE, 31A REA	Reading (early childhood education) courses develop students' readiness for language arts, particularly focusing on reading skills. Courses may include activities related to phonics, phonemic awareness, and vocabulary. Content is age-appropriate and conforms to any existing state standards for early childhood education.
	01039	Reading (pre-kindergarten)	00E EC	Reading (pre-kindergarten) courses develop students' readiness for language arts, particularly focusing on reading skills. Courses may include activities related to phonics, phonemic awareness, and vocabulary. Content is age-appropriate and conforms to any existing state standards for pre-kindergarten education.
	01040	Reading (kindergarten)	31A REA, 00E EC, 00E ELE	Reading (kindergarten) courses engage students in activities to develop their reading skills. Course content may emphasize storytelling or reading aloud and evoking a written, oral, or pictorial response. Specific content depends upon state standards for kindergarten.
	01041	Reading (grade 1)	31A REA, 00E EC, 00E ELE	Reading (grade 1) courses focus on reading skills and may emphasize recognition of and response to various types of text; extension of vocabulary; and the connection of language to the expression of ideas. Specific content depends upon state standards for grade 1.
	01042	Reading (grade 2)	31A REA, 00E EC, 00E ELE	Reading (grade 2) courses focus on reading skills and may build students' skills in independent reading by increasing reading fluency, vocabulary, and recognition of word and language patterns. Specific content depends upon state standards for grade 2.
	01043	Reading (grade 3)	00E EC, 00E ELE, 31A REA	Reading (grade 3) courses focus on reading skills and may emphasize independent reading in a variety of assignments. Some emphasis may also be placed on presentation skills. Specific content depends upon state standards for grade 3.
	01044	Reading (grade 4)	00E ELE, 01M ENG, 31A REA	Reading (grade 4) courses focus on reading skills and may emphasize independent reading in a variety of assignments and require students to respond to different material in different ways. Specific content depends upon state standards for grade 4.
	01045	Reading (grade 5)	00E ELE, 01M ENG, 01S ENG, 31A REA	Reading (grade 5) courses focus on reading skills and may extend students' skills in distinguishing meaning and literary functions in texts, and fluency in reading. Specific content depends upon state standards for grade 5.
	01046	Reading (grade 6)	00E ELE, 01M ENG, 01S ENG, 31A REA	Reading (grade 6) courses build upon students' prior knowledge and skill in reading and may emphasize the use of language for different effects, in different contexts, and for different purposes. Specific content depends upon state standards for grade 6.
	01047	Reading (grade 7)	00E ELE, 01M ENG, 01S ENG, 31A REA	Reading (grade 7) courses build upon students' prior knowledge and skill in reading and may emphasize the use of language for different effects, in different contexts, and for different purposes. Specific content depends upon state standards for grade 7.
	01048	Reading (grade 8)	00E ELE, 01M ENG, 01S ENG, 31A REA	Reading (grade 8) courses build upon students' prior knowledge and skill in reading. Typically, these courses use various genres of literature to improve reading skills, and link exercises for different purposes to those reading selections. Specific content depends upon state standards for grade 8.
	01049	Reading—General	31A REA, 00E ELE, 01M ENG, 01S ENG, 00E EC, 32A HI, 32A SPE, 32A VI	Reading—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by third grade, students should know and be able to do..."). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Reading, early childhood education through grade 8.)]
	01054	American Literature	00E ELE, 01M ENG, 00E EC, 01S ENG, 31A REA	American Literature courses focus upon commonly known American authors and their work. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses, and written compositions are often required.

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<b>01 - English Language and Literature</b>				
<b>Literature/Reading</b>				
	51053 **	Literature	01S ENG, 00E MS, 00E ELE, 00E EC, 31A REA, 01M ENG	Literature courses offer the opportunity for students to study and reflect upon the themes presented in the body of literature being presented. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the reading selection and as they understand how the work reflects society's problems and culture. Oral discussion is an integral part of literature courses, and written compositions are often required. Literature courses may survey representative works, reflect a particular genre or a specific theme, or survey works of a particular time or people.
	51066	Strategic Reading	00E ELE, 01S ENG, 31A REA, 32A SPE, 00E MS, 00E EC, 01M ENG	Strategic Reading courses are intended to improve a student's vocabulary, critical-thinking and analysis skills, or reading rate and comprehension level. Although these courses typically emphasize works of fiction, they may also include works of nonfiction (including textbooks). Strategic Reading courses often have a time-management focus, offering strategies for note-taking or for understanding and evaluating the important points of a text.
	51067	Assisted Reading	00E ELE, 01S ENG, 31A REA, 32A SPE, 00E MS, 00E EC, 01M ENG	Assisted Reading courses offer students the opportunity to focus on their reading skills. Assistance is targeted to students' particular weaknesses and is designed to bring students' reading comprehension up to the desired level or to develop strategies to read more efficiently.
	51068	Corrective Reading	00E ELE, 01S ENG, 31A REA, 32A SPE, 00E MS, 00E EC, 01M ENG	Corrective Reading courses offer diagnostic and remedial activities designed to correct reading difficulties and habits that interfere with students' progress in developing reading skills and understandings. Activities are chosen to increase or improve students' reading comprehension, reading technique, and general literacy skills.
	51069 **	Mythology	01S ENG, 00E MS, 00E ELE, 01M ENG	Mythology courses introduce students to the origins and meaning of myths, including how cultures use myths to explain natural or social phenomenon. Students will explore the major themes, stories, characters, and archetypes present in the mythologies of several different cultures.
<b>Composition/Writing</b>				
	01128	Writing (early childhood education)	00E EC, 00E ELE	Writing (early childhood education) courses develop students' readiness for language arts, particularly focusing on writing. Content is age appropriate and conforms to any existing state standards for early childhood education.
	01129	Writing (pre-kindergarten)	00E EC	Writing (pre-kindergarten) courses develop students' readiness for language arts, particularly focusing on writing. Content is age appropriate and conforms to any existing state standards for pre-kindergarten education.
	01130	Writing (kindergarten)	00E EC, 00E ELE	Writing (kindergarten) courses engage students in activities to develop their writing skills. Course content may emphasize storytelling or personal expression. Specific content depends upon state standards for kindergarten.
	01131	Writing (grade 1)	00E EC, 00E ELE	Writing (grade 1) courses focus on writing skills and may emphasize recognition and creation of various types of text; extension of vocabulary and writing skills; and the connection of language to the expression of ideas. Specific content depends upon state standards for grade 1.
	01132	Writing (grade 2)	00E EC, 00E ELE	Writing (grade 2) courses focus on writing skills and may build students' skills in independent writing by increasing writing fluency, vocabulary, and recognition of word and language patterns. They may also introduce or reinforce the rules of grammar and spelling. Specific content depends upon state standards for grade 2.
	01133	Writing (grade 3)	00E EC, 00E ELE	Writing (grade 3) courses focus on writing skills and may emphasize independent writing in a variety of assignments. Some emphasis may also be placed on presentation skills. Specific content depends upon state standards for grade 3.
	01134	Writing (grade 4)	00E ELE, 01M ENG, 01M ENG	Writing (grade 4) courses focus on writing skills and may emphasize independent writing in a variety of assignments and require students to respond to different materials in different ways. Grammar and usage of the English language may also be emphasized. Specific content depends upon state standards for grade 4.
	01135	Writing (grade 5)	00E ELE, 01M ENG, 01S ENG	Writing (grade 5) courses focus on writing skills and may extend students' skills in writing for particular purposes or audiences, distinguishing meaning and literary functions in texts, and fluency in writing. Specific content depends upon state standards for grade 5.
	01136	Writing (grade 6)	00E ELE, 01M ENG, 01S ENG	Writing (grade 6) courses build upon students' prior knowledge and skill in writing and may emphasize the use of language for different effects, in different contexts, and for different purposes. Specific content depends upon state standards for grade 6.

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### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 01 - English Language and Literature

##### Composition/Writing

	01137	Writing (grade 7)	00E ELE, 01M ENG, 01S ENG	Writing (grade 7) courses build upon students' prior knowledge and skill in writing and may emphasize the use of language for different effects and to construct meaning and connections. Specific content depends upon state standards for grade 7.
	01138	Writing (grade 8)	00E ELE, 01M ENG, 01S ENG	Writing (grade 8) courses build upon students' prior knowledge and skill in writing. Typically, these courses use writing exercises to expand students' understanding of the different purposes of written communication. Specific content depends upon state standards for grade 8.
	01139	Writing—General	00E EC, 00E ELE, 01S ENG, 32A HI, 32A SPE, 32A VI	Writing—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by third grade, students should know and be able to do..."). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Writing, early childhood education through grade 8).]
	51104 **	Creative Writing	00E ELE, 01S ENG, 00E EC, 00E MS, 01M ENG	Creative Writing courses offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. Although most creative writing classes cover several expressive forms, others concentrate exclusively on one particular form (such as poetry or playwriting).

##### Speech and Communication

	51151	Public Speaking	00E MS, 01S SPE, 01S ENG, 00E ELE, 01M ENG	Public Speaking courses enable students, through practice, to develop communication skills that can be used in a variety of speaking situations (such as small- and large-group discussions, delivery of lectures or speeches in front of audiences, and so on). Course topics may include (but are not limited to) research and organization, writing for verbal delivery, stylistic choices, visual and presentation skills, analysis and critique, and development of self-confidence.
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Grade	Code	Course Name	Endorsements	Description
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#### 02 - Mathematics

##### Foundation Mathematics

	02028	Mathematics (early childhood education)	00E EC, 00E ELE	Mathematics (early childhood education) courses cover foundational skills and concepts related to mathematics. Content is age appropriate and conforms to any existing state standards for early childhood education.
	02029	Mathematics (pre-kindergarten)	00E EC	Mathematics (pre-kindergarten) courses cover foundational skills and concepts related to mathematics. Content is age appropriate and conforms to any existing state standards for pre-kindergarten education.
	02030	Mathematics (kindergarten)	00E EC, 00E ELE	Mathematics (kindergarten) courses typically introduce and reinforce basic concepts of mathematics such as counting whole numbers and understanding patterns, and beginning work with number operations. Specific content depends upon state standards for kindergarten.
	02031	Mathematics (grade 1)	00E EC, 00E ELE	Mathematics (grade 1) courses typically help build a conceptual foundation in number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; and geometry and spatial reasoning. These courses often require students to develop their numerical fluency and to make calculation predictions. Specific content depends upon state standards for grade 1.
	02032	Mathematics (grade 2)	00E EC, 00E ELE	Mathematics (grade 2) courses typically continue to build a conceptual foundation in number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry; and measurement. Students begin to incorporate the context of money. These courses often require students to develop their numerical fluency, particularly in addition and subtraction, and to solve problems using those operations as well as estimation. Specific content depends upon state standards for grade 2.
	02033	Mathematics (grade 3)	00E EC, 00E ELE	Mathematics (grade 3) courses typically emphasize number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; and measurement. These courses often require students to improve their numerical fluency, adding multiplication and division to addition and subtraction operations, using whole numbers and parts (quarters, thirds, halves), develop an understanding of unitizing (unit fractions), and estimation. Specific content depends upon state standards for grade 3.

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## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>02 - Mathematics</b>				
<b>Foundation Mathematics</b>				
	02034	Mathematics (grade 4)	00E ELE, 02M MAT	Mathematics (grade 4) courses typically emphasize number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; and measurement. Course content may include activities that help students increase operational fluency, make connections between abstract symbols and concrete events or concepts, build an understanding of fraction equivalence, order, and decimal notation for fractions, or present conclusions based on data. Specific content depends upon state standards for grade 4.
	02035	Mathematics (grade 5)	00E ELE, 02M MAT, 02S MAT	Mathematics (grade 5) courses typically emphasize number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; fraction operation; and measurement, including exploring the concept of volume. Course content may include activities that help students increase operational fluency, make connections between abstract symbols and concrete events or concepts, or present their mathematical reasoning. Specific content depends upon state standards for grade 5.
	02036	Mathematics (grade 6)	00E ELE, 02M MAT, 02S MAT	Mathematics (grade 6) courses typically emphasize proficiency in numerical operations (including basic operations and their proper order); ratios and proportional relationships; patterns; simple equations; geometry; and concepts of data analysis, including statistics and probability. Specific content depends upon state standards for grade 6.
	02037	Mathematics (grade 7)	00E ELE, 02M MAT, 02S MAT	Mathematics (grade 7) courses typically emphasize proficiency in skills involving numbers and operations; ratios and proportional relationships; patterns; functions; algebraic formulas; geometry; integers and rational numbers; and concepts of data analysis, including statistics and probability. Specific content depends upon state standards for grade 7.
	02038	Mathematics (grade 8)	00E ELE, 02M MAT, 02S MAT	Mathematics (grade 8) courses typically emphasize proficiency in skills involving numbers and operations, measurement, patterns, simple functions, algebra, geometry, statistics, probability, and linear and exponential relationships. Specific content depends upon state standards for grade 8.
	02039	Mathematics—General	00E EC, 00E ELE, 02M MAT, 02S MAT, 32A HI, 32A SPE, 32A VI	Mathematics—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by third grade, students should know and be able to do..."). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Mathematics, early childhood education through grade 8).]
	52002 **	General Mathematics	00E ELE, 02S MAT, 00E EC, 00E MS, 02M MAT, 32A HI, 32A SPE, 32A VI	General Mathematics courses reinforce and expand students' foundational mathematic skills, such as arithmetic operations using rational numbers; area, perimeter, and volume of geometric figures, congruence and similarity, angle relationships, the Pythagorean theorem, the rectangular coordinate system, sets and logic, ratio and proportion, estimation, formulas, solving and graphing simple equations and inequalities.
<b>Pure Mathematics</b>				
	52051 **	Pre-Algebra	00E ELE, 02S MAT, 00E MS, 02M MAT	Pre-Algebra courses increase students' foundational math skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers (i.e., number theory), ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities.
	52052 **	Algebra I	00E ELE, 02S MAT, 00E MS, 02M MAT	Algebra I courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.
	52072 **	Geometry	00E ELE, 02S MAT, 00E MS, 02M MAT	Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.
	52132 **	IB Mathematics, Middle Years Program	00E ELE, 02S MAT, 00E MS, 02M MAT	International Baccalaureate (IB) Mathematics, Middle Years Program courses are built on a framework of five branches of mathematics: number, algebra, geometry and trigonometry, statistics and probability, and discrete mathematics. The program encourages students to develop an understanding of mathematical reasoning and processes, the ability to apply mathematics and evaluate the significance of results, the ability to develop strategies for problems in which solutions are not obvious, and the acquisition of mathematical intuition.

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## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 02 - Mathematics

##### Applied Mathematics

	52157 **	Consumer Math	00E ELE, 02S MAT, 12S BUS, 00E MS, 12S BM, 02M MAT, 32A HI, 32A SPE, 32A VI	Consumer Math courses reinforce general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.
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Grade	Code	Course Name	Endorsements	Description
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#### 03 - Life and Physical Sciences

##### Earth Science

	03010	Earth/Space Science (prior-to-secondary)	03S BF, 03S BIO, 03S CHE, 03S EAR, 03S PHY, 32A HI, 00E EC, 00E ELE, 03M BF, 32A SPE, 32A VI	Earth/Space Science (prior-to-secondary) covers basic principles of earth and space science. These may include plate tectonics, rocks and the rock cycle, weather, ocean currents, movements of the Earth, moon, and planets, components of the galaxy and universe, or other topics consistent with state academic standards for earth and space science.
	53008 **	Earth and Space Science	00E ELE, 03S BF, 03S BIO, 03S CHE, 03S EAR, 03S ENV, 03S PHY, 00E MS, 03M BF	Earth and Space Science courses introduce students to the study of the earth from a local and global perspective. In these courses, students typically learn about time zones, latitude and longitude, atmosphere, weather, climate, matter, and energy transfer. Advanced topics often include the study of the use of remote sensing, computer visualization, and computer modeling to enable earth scientists to understand earth as a complex and changing planet.

##### Physics

	03011	Physical Science (prior-to-secondary)	03S EAR, 03S PHY, 32A HI, 32A SPE, 32A VI, 03S CHE, 00E EC, 00E ELE, 03M BF, 03S BF, 03S BIO, 03S CHE	Physical Science (prior-to-secondary) courses cover basic principles of physical science, such as matter, energy, force, and motion. Topics may include conservation of energy and matter, the atomic model, the periodic table, electricity, or other topics consistent with state academic standards for physical science.
	53151 **	Physics	00E ELE, 03S BF, 03S BIO, 03S CHE, 03S EAR, 03S ENV, 03S PHY, 00E MS, 03M BF	Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.
	53158 **	Life Science	00E ELE, 03S BF, 03S BIO, 03S CHE, 03S EAR, 03S ENV, 03S PHY, 00E MS, 03M BF	Life Science courses cover the basic principles of life and life processes. These topics may include cells, species, ecosystems, reproduction, genetics, or other topics consistent with state academic standards for life science.
	53159 **	Physical Science	00E ELE, 03S BF, 03S BIO, 03S CHE, 03S EAR, 03S ENV, 03S PHY, 00E MS, 03M BF	Physical Science courses involve study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

##### Integrated/Other

	03228	Science (early childhood education)	00E EC, 00E ELE	Science (early childhood education) courses cover foundational skills and concepts related to science, such as investigation and observation. Content is age appropriate and conforms to any existing state standards for early childhood education.
	03229	Science (pre-kindergarten)	00E EC	Science (pre-kindergarten) courses cover foundational skills and concepts related to science, such as investigation and observation. Content is age-appropriate and conforms to any existing state standards for pre-kindergarten education.
	03230	Science (kindergarten)	00E EC, 00E ELE	Science (kindergarten) courses encourage students to observe and describe properties of organisms, systems, and the environment. Students may raise questions, identify patterns, and record observations. Specific content depends upon state standards for kindergarten.
	03231	Science (grade 1)	00E EC, 00E ELE	Science (grade 1) courses allow students to identify interactions and patterns in objects and events and to record observations in written or visual form. Typically, students investigate systems of living organisms and the environment. Specific content depends upon state standards for grade 1.

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## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>03 - Life and Physical Sciences</b>				
<b>Integrated/Other</b>				
	03232	Science (grade 2)	00E EC, 00E ELE	Science (grade 2) courses continue to introduce students to basic scientific processes and principles. Course content may include identification of patterns, classification and sequencing, or manipulation of systems to observe interactions between parts and record the effects of change. Specific content depends upon state standards for grade 2.
	03233	Science (grade 3)	00E EC, 00E ELE	Science (grade 3) courses involve observation, measurement, and description of simple systems. Course content may include the scientific process; life and environmental science; and physical, earth, and space science. Specific content depends upon state standards for grade 3.
	03234	Science (grade 4)	00E ELE, 03M BF	Science (grade 4) courses typically explore complex systems, such as plant and animal adaptation, forces and motion, and physical and chemical changes in matter, or content consistent with state academic standards. Students may identify causes and effects of change, make predictions, and gather data from multiple sources. Specific content depends upon state standards for grade 4.
	03235	Science (grade 5)	00E ELE, 03M BF, 03S BF, 03S BIO, 03S CHE, 03S EAR, 03S PHY	Science (grade 5) courses build on the study of various systems. They may include identification and description of cycles, comparisons of forms of matter and energy, forces, or content consistent with state academic standards. Students may make comparisons and interpret and analyze information. Specific content depends upon state standards for grade 5.
	03236	Science (grade 6)	00E ELE, 03M BF, 03S BF, 03S BIO, 03S CHE, 03S EAR, 03S PHY	Science (grade 6) courses typically include subject matter from several strands of science, including earth/space sciences, physical sciences, and life or environmental sciences, and may organize material around thematic units. Specific content depends upon state standards for grade 6.
	03237	Science (grade 7)	00E ELE, 03M BF, 03S BF, 03S BIO, 03S CHE, 03S EAR, 03S PHY	Science (grade 7) courses build on previous years of scientific inquiry and typically include subject matter from several strands of science, including earth sciences, physical sciences, and life or environmental sciences, and may organize material around thematic units. Specific content depends upon state standards for grade 7.
	03238	Science (grade 8)	00E ELE, 03M BF, 03S BF, 03S BIO, 03S CHE, 03S EAR, 03S PHY	Science (grade 8) courses typically include subject matter from several strands of science, including earth sciences, physical sciences, and life or environmental sciences, and may organize material around thematic units. Specific content depends upon state standards for grade 8.
	03239	Science—General	00E EC, 00E ELE, 03M BF, 03S BF, 03S BIO, 03S CHE, 03S EAR, 03S PHY, 32A HI, 32A SPE, 32A VI	Science—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by third grade, students should know and be able to do..."). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Science, early childhood education through grade 8).]
	53201 **	Integrated Science	00E ELE, 03S BF, 03S BIO, 03S CHE, 03S EAR, 03S ENV, 03S PHY, 00E MS, 03M BF	The specific content of Integrated Science courses varies, but they draw upon the principles of several scientific specialties—earth science, physical science, biology, chemistry, and physics—and organize the material around thematic units. Common themes covered include systems, models, energy, patterns, change, and constancy. These courses use appropriate aspects from each specialty to investigate applications of the theme.
	53202 **	Unified Science	00E ELE, 03S BF, 03S BIO, 03S CHE, 03S EAR, 03S ENV, 03S PHY, 00E MS, 03M BF	Unified Science courses combine more than one branch of science into a cohesive study or may integrate science with another discipline. General scientific concepts are explored, as are the principles underlying the scientific method and experimentation techniques.
	53213 **	IB Sciences, Middle Years Program	00E ELE, 03S BF, 03S BIO, 03S CHE, 03S EAR, 03S ENV, 03S PHY, 00E MS, 03M BF	International Baccalaureate (IB) Sciences, Middle Years Program courses provide to students a body of knowledge and an understanding of the scientific approach to problem solving. It may be organized as biology, chemistry, and physics, or as an integrated sciences course. The course requires students to formulate hypotheses, design and carry out experiments to test them, and evaluate results.
<b>Biology</b>				
	53051 **	Biology	00E ELE, 03S BF, 03S BIO, 03S CHE, 03S EAR, 03S ENV, 03S PHY, 00E MS, 03M BF	Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 03 - Life and Physical Sciences

##### Chemistry

	53101 **	Chemistry	00E ELE, 03S BF, 03S BIO, 03S CHE, 03S EAR, 03S ENV, 03S PHY, 00E MS, 03M BF	Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.
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Grade	Code	Course Name	Endorsements	Description
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#### 04 - Social Sciences and History

##### General Social Studies

	04428	Social Studies (early childhood education)	00E EC, 00E ELE	Social Studies (early childhood education) courses provide a developmentally appropriate understanding of social studies concepts, helping students begin to develop an understanding of self and others; the concept of time (past and present events); and skills conducive to citizenship, such as group decision making. Content is age appropriate and conforms to any existing state standards for early childhood education.
	04429	Social Studies (pre-kindergarten)	00E EC	Social Studies (pre-kindergarten) courses provide a developmentally appropriate understanding of social studies concepts, helping students begin to develop an understanding of self and others; the concept of time (past and present events); and skills conducive to citizenship, such as group decision making. Content is age appropriate and conforms to any existing state standards for pre-kindergarten education.
	04430	Social Studies (kindergarten)	00E EC, 00E ELE	Social Studies (kindergarten) courses generally provide initial foundations in the social studies disciplines: history, geography, civics and government, and economics. Specific content depends upon state standards for kindergarten.
	04431	Social Studies (grade 1)	00E EC, 00E ELE	Social Studies (grade 1) courses develop foundational skills in the social studies disciplines: history, geography, civics and government, and economics. These disciplines are often taught together and organized around a theme. Specific content depends upon state standards for grade 1.
	04432	Social Studies (grade 2)	00E EC, 00E ELE	Social Studies (grade 2) courses help students reach greater understanding of the social studies disciplines: history, geography, civics and government, and economics. Courses often offer study of these disciplines in an integrated fashion, through the context of a specific theme or discipline, such as state-based social studies or the history of a people. Specific content depends upon state standards for grade 2.
	04433	Social Studies (grade 3)	00E EC, 00E ELE	Social Studies (grade 3) courses build on previous knowledge and introduce concepts in the social studies disciplines: history, geography, civics and government, and economics. Instruction of the disciplines is often integrated for instructional purposes. Students may study these disciplines through the context of a specific theme or discipline, such as state-based social studies or U.S. history. Specific content depends upon state standards for grade 3.
	04434	Social Studies (grade 4)	00E ELE, 04M BF	Social Studies (grade 4) courses continue to develop skills in history, geography, civics and government, and economics. Although the four disciplines are typically integrated, these courses may take a more discipline-specific approach, such as concentrating on U.S. history, state-specific history, or civic engagement for periods of time. Specific content depends upon state standards for grade 4.
	04435	Social Studies (grade 5)	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 04S PSY, 04S SOC, 00E ELE, 04M BF	Social Studies (grade 5) courses continue to develop skills in history, geography, civics and government, and economics. These courses may be more discipline-specific (dividing up state history, U.S. history, geography, government, and so on). Specific content depends upon state standards for grade 5.
	04436	Social Studies (grade 6)	04S POL, 04S PSY, 04S SOC, 00E ELE, 04M BF, 04S BF, 04S ECO, 04S GEO, 04S HIS	Social Studies (grade 6) courses provide a greater understanding of social studies disciplines, including history, geography, civics and government, and economics. These courses often focus on the history, culture, and government of various specific world societies. Typically, students develop skills used in the social studies disciplines. Specific content depends upon state standards for grade 6.
	04437	Social Studies (grade 7)	00E ELE, 04M BF, 04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 04S PSY, 04S SOC	Social Studies (grade 7) courses provide continued development of understanding and skills in the social studies disciplines: history, geography, civics and government, and economics. Specific content depends upon state standards for grade 7.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>04 - Social Sciences and History</b>				
<b>General Social Studies</b>				
	04438	Social Studies (grade 8)	04S GEO, 04S HIS, 04S POL, 04S PSY, 04S SOC, 00E ELE, 04M BF, 04S BF, 04S ECO	Social Studies (grade 8) courses provide continued development of understanding and skills in the social studies disciplines: history, geography, civics and government, and economics. Typically, these courses focus on single disciplines at a time (e.g., state-specific history and government, U.S. history, world history, or civics) to develop discipline-related skills. Specific content depends upon state standards for grade 8.
	04439	Social Studies—General	00E EC, 00E ELE, 04M BF, 04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 04S PSY, 04S SOC, 32A HI, 32A SPE, 32A VI	Social Studies—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by third grade, students should know and be able to do..."). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Social Studies, early childhood education through grade 8.)
<b>Geography</b>				
	54001 **	World Geography	00E ELE, 04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 04S PSY, 04S SOC, 00E MS, 04M BF	World Geography courses provide students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.
	54005 **	U.S. Geography	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 04S PSY, 04S SOC, 00E ELE, 00E MS, 04M BF	U.S. Geography courses provide an overview of the geography of the United States. Topics typically include the physical environment, the political landscape, the relationship between people and the land, and economic production and development.
<b>World History</b>				
	54051 **	World History—Overview	00E ELE, 04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 04S PSY, 04S SOC, 00E MS, 04M BF	World History—Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History—Overview courses may include geographical studies, but often these components are not as explicitly taught as geography.
	54061 **	World Area Studies	04S BF, 04S HIS, 04S GEO, 00E MS, 00E ELE, 04M BF	World Area Studies courses examine the history, politics, economics, society, and/or culture of one or more regions of the world, such as Africa, Latin America, the former Soviet Union, Far East Asia, and the Middle East. These courses may focus primarily on the history of a particular region or may take an interdisciplinary approach to the contemporary issues affecting the region. Furthermore, these courses may emphasize one particular country (other than the United States), rather than emphasizing a region or continent.
	54062 **	World People Studies	04S BF, 04S ECO, 04S GEO, 04S HIS, 00E ELE, 00E MS, 04M BF	World People Studies courses allow students to study various types of subgroups that have something in common such as religion, gender, or culture. Similar in style to World Area Studies, but focusing on a group of people rather than on a specific region, these courses examine a subgroup's history, politics, economics, and/or culture.
	54063 **	Western Civilization	00E ELE, 04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 00E MS, 04M BF	Western Civilization courses apply an interdisciplinary approach to the study of western cultural traditions, frequently using a chronological framework. Course content typically includes a survey of the major developments in and contributors to art and architecture, literature, religion and philosophy, and culture. These courses may also cover intellectual and political movements.
	54064 **	Contemporary World Issues	04S BF, 04S HIS, 04S ECO, 04S POL, 00E MS, 00E ELE, 04M BF	Contemporary World Issues courses enable students to study political, economic, and social issues facing the world. These courses may focus on current issues, examine selected issues throughout the 20th century, and look at historical causes or possible solutions.
<b>U.S. History</b>				
	54101 **	U.S. History—Comprehensive	00E ELE, 04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 00E MS, 04M BF	U.S. History—Comprehensive courses provide students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

Prior to Secondary Courses				
Grade	Code	Course Name	Endorsements	Description
<b>04 - Social Sciences and History</b>				
<b>U.S. History</b>				
	54105 **	State-Specific Studies	00E ELE, 04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 00E MS, 04M BF	State-Specific Studies courses examine the history, politics, economics, society, and/or cultures of one state in the United States. This course may focus primarily on the history of that state or may take an interdisciplinary approach to the contemporary issues affecting it.
	54106 **	Contemporary U.S. Issues	04S BF, 04S HIS, 04S ECO, 04S POL, 00E MS, 00E ELE, 04M BF	Contemporary U.S. Issues courses study the political, economic, and social issues facing the United States, with or without an emphasis on state and local issues. These courses may focus on current issues or may examine selected issues that span throughout the 20th century to the present.
<b>Government, Politics, and Law</b>				
	54151 **	U.S. Government—Comprehensive	00E ELE, 04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 00E MS, 04M BF	U.S. Government—Comprehensive courses provide an overview of the structure and functions of the U.S. government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics.
	54161 **	Civics	00E ELE, 04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 00E MS, 04M BF	Civics courses examine the general structure and functions of American systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system. These courses do not typically delve into the same degree of detail on constitutional principles or the role of political parties and interest groups as do comprehensive courses in U.S. Government.
	54171 **	IB Individuals and Societies, Middle Years Program	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 00E ELE, 00E MS, 04M BF	International Baccalaureate (IB) Individuals and Societies, Middle Years Program courses aim to develop the understanding and application of concepts (time, place and space, change, systems and global awareness) and skills (technical, analytical, problem solving, and investigative). Content may include topics such as geography, history, economics, politics, civics, sociology, anthropology, and psychology. These courses were formerly known as IB Humanities, Middle Years Program.
Grade	Code	Course Name	Endorsements	Description
<b>05 - Fine and Performing Arts</b>				
<b>Dance</b>				
	05028	Dance (early childhood education)	00E EC, 00E ELE	Dance (early childhood education) courses provide developmentally appropriate activities to create awareness of bodily movement and its potential for creativity, expression, and communication. Specific course content conforms to any existing state standards for early childhood education.
	05029	Dance (pre-kindergarten)	00E EC	Dance (pre-kindergarten) courses provide developmentally appropriate activities to create awareness of bodily movement and its potential for creativity, expression, and communication. Specific course content conforms to any existing state standards for pre-kindergarten.
	05030	Dance (kindergarten)	00E ELE, 00E EC	Dance (kindergarten) courses provide developmentally appropriate activities to create awareness of bodily movement and its potential for creativity, expression, and communication. Specific course content conforms to any existing state standards for kindergarten.
	05031	Dance (grade 1)	00E EC, 00E ELE	Dance (grade 1) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 1.
	05032	Dance (grade 2)	00E EC, 00E ELE	Dance (grade 2) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 2.
	05033	Dance (grade 3)	00E EC, 00E ELE	Dance (grade 3) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 3.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>05 - Fine and Performing Arts</b>				
<b>Dance</b>				
	05034	Dance (grade 4)	08A HPE, 08A PEd, 00E ELE	Dance (grade 4) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 4.
	05035	Dance (grade 5)	00E ELE, 08A HPE, 08A PEd	Dance (grade 5) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen the ability to discern and critique. Specific course content conforms to any existing state standards for grade 5.
	05036	Dance (grade 6)	00E ELE, 08A HPE, 08A PEd	Dance (grade 6) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen the ability to discern and critique. Specific course content conforms to any existing state standards for grade 6.
	05037	Dance (grade 7)	00E ELE, 08A HPE, 08A PEd	Dance (grade 7) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen the ability to discern and critique. Specific course content conforms to any existing state standards for grade 7.
	05038	Dance (grade 8)	00E ELE, 08A HPE, 08A PEd	Dance (grade 8) courses typically provide activities that foster creative expression, communication through artistic endeavor, appreciation of culture and heritage, and evaluative and critical thinking using the art of dance. Activities may include those that enable students to develop their technique, learn different styles of dance, appreciate the culture and history of dance forms, and strengthen the ability to discern and critique. Specific course content conforms to any existing state standards for grade 8.
	05039	Dance—General	00E ELE, 08A HPE, 08A PEd, 32A HI, 32A SPE, 32A VI, 00E EC	Dance—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by third grade, students should know and be able to do..."). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Dance, early childhood education through grade 8).]
	05040	World/Cultural Dance	08A HPE, 08A PEd, 06Z ASB, 06Z BLA, 06Z CHE, 06Z CHI, 06Z CRE, 06Z CRO, 06Z DAK, 06Z GV, 06Z KOO, 06Z SAL	World/Cultural Dance courses help students develop an understanding of authentic dances from other nations in the context of the people's history, culture, and customs. These courses may involve creating, performing, and responding to dances of other cultures and/or time periods.
<b>Drama</b>				
	05068	Drama (early childhood education)	00E EC, 00E ELE	Drama (early childhood education) courses provide developmentally appropriate activities to enable students to express themselves through dramatic play and storytelling. Specific course content conforms to any existing state standards for early childhood education.
	05069	Drama (pre-kindergarten)	00E EC	Drama (pre-kindergarten) courses provide developmentally appropriate activities to enable students to express themselves through dramatic play and storytelling. Specific course content conforms to any existing state standards for pre-kindergarten.
	05070	Drama (kindergarten)	00E EC, 00E ELE	Drama (kindergarten) courses provide developmentally appropriate activities to enable students to express themselves through dramatic play and storytelling. Specific course content conforms to any existing state standards for kindergarten.
	05071	Drama (grade 1)	00E EC, 00E ELE	Drama (grade 1) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Specific course content conforms to any existing state standards for grade 1.
	05072	Drama (grade 2)	00E EC, 00E ELE	Drama (grade 2) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Specific course content conforms to any existing state standards for grade 2.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>05 - Fine and Performing Arts</b>				
<b>Drama</b>				
	05073	Drama (grade 3)	00E EC, 00E ELE	Drama (grade 3) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Specific course content conforms to any existing state standards for grade 3.
	05074	Drama (grade 4)	00E ELE	Drama (grade 4) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 4.
	05075	Drama (grade 5)	00E ELE, 05S THR, 11S TAS	Drama (grade 5) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 5.
	05076	Drama (grade 6)	00E ELE, 05S THR, 11S TAS	Drama (grade 6) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, and strengthen their critical abilities. Specific course content conforms to any existing state standards for grade 6.
	05077	Drama (grade 7)	00E ELE, 05S THR, 11S TAS	Drama (grade 7) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. As appropriate, students may focus on acting techniques and traditions, other aspects of drama (staging, lighting, costuming), or both. Specific course content conforms to any existing state standards for grade 7.
	05078	Drama (grade 8)	00E ELE, 05S THR, 11S TAS	Drama (grade 8) courses enable students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. As appropriate, students may focus on acting techniques and traditions, other aspects of drama (staging, lighting, costuming), or both. Specific course content conforms to any existing state standards for grade 8.
	05079	Drama—General	00E ELE, 05S THR, 11S TAS, 32A HI, 32A SPE, 32A VI, 00E EC	Drama—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by third grade, students should know and be able to do..."). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Drama, early childhood education through grade 8).]
	55051	Introduction to the Theater	00E ELE, 00E MS, 05S THR, 01S ENG, 11S TAS	Introduction to the Theater courses provide an overview of the art, conventions, and history of the theater. Although the courses sometimes include experiential exercises, they emphasize learning about the theater rather than performance. Students learn about one or more of the following topics: basic techniques in acting, major developments in dramatic literature, major playwrights, the formation of theater as a cultural tradition, and critical appreciation of the art.
<b>Music</b>				
	05128	Music (early childhood education)	00E EC, 00E ELE	Music (early childhood education) courses provide developmentally appropriate activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Specific course content conforms to any existing state standards for early childhood education.
	05129	Music (pre-kindergarten)	00E EC	Music (pre-kindergarten) courses provide developmentally appropriate activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Specific course content conforms to existing state standards for pre-kindergarten.
	05130	Music (kindergarten)	00E EC, 00E ELE, 05A MUS	Music (kindergarten) courses provide developmentally appropriate activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Specific course content conforms to any existing state standards for kindergarten.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

Prior to Secondary Courses				
Grade	Code	Course Name	Endorsements	Description
<b>05 - Fine and Performing Arts</b>				
<b>Music</b>				
	05131	Music (grade 1)	00E EC, 00E ELE, 05A MUS	Music (grade 1) courses provide activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and establishing the ability to discern and critique. Specific course content conforms to any existing state standards for grade 1.
	05132	Music (grade 2)	00E EC, 00E ELE, 05A MUS	Music (grade 2) courses provide activities to enable students to create and perform music, listen and respond to musical compositions, and to incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and establishing the ability to discern and critique. Specific course content conforms to any existing state standards for grade 2.
	05133	Music (grade 3)	00E EC, 00E ELE, 05A MUS, 05A MUS	Music (grade 3) courses provide activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and establishing the ability to discern and critique. Specific course content conforms to any existing state standards for grade 3.
	05134	Music (grade 4)	00E ELE, 05A MUS	Music (grade 4) courses provide activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and establishing the ability to discern and critique. Specific course content conforms to any existing state standards for grade 4.
	05135	Music (grade 5)	00E ELE, 05A MUS	Music (grade 5) courses provide activities to enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and establishing the ability to discern and critique. Specific course content conforms to any existing state standards for grade 5.
	05136	Music (grade 6)	00E ELE, 05A MUS	Music (grade 6) courses enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and refining the ability to discern and critique. Specific course content conforms to any existing state standards for grade 6.
	05137	Music (grade 7)	00E ELE, 05A MUS	Music (grade 7) courses enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and refining the ability to discern and critique. Specific course content conforms to any existing state standards for grade 7.
	05138	Music (grade 8)	00E ELE, 05A MUS	Music (grade 8) courses enable students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and refining the ability to discern and critique. Specific course content conforms to any existing state standards for grade 8.
	05139	Music—General	05A MUS, 32A HI, 32A SPE, 32A VI, 00E ELE, 00E EC	Music—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by third grade, students should know and be able to do..."). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Music, early childhood education through grade 8).]
	55101	General Band	00E ELE, 05A MUS, 00E MS	General Band courses develop students' technique for playing brass, woodwind, and percussion instruments and cover a variety of nonspecified band literature styles (concert, marching, orchestral, and modern styles).
	55102	Concert Band	00E ELE, 05A MUS, 00E MS	Courses in Concert Band are designed to promote students' technique for playing brass, woodwind, and percussion instruments and cover a variety of band literature styles, primarily for concert performances.
	55103	Marching Band	00E ELE, 05A MUS, 00E MS	Courses in Marching Band are intended to develop students' technique for playing brass, woodwind, and percussion instruments and cover appropriate band literature styles, primarily for marching performances.
	55104	Orchestra	00E ELE, 05A MUS, 00E MS	Orchestra courses are designed to develop students' abilities to play brass, woodwind, percussion, and string instruments, covering a variety of string and orchestral literature styles.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>05 - Fine and Performing Arts</b>				
<b>Music</b>				
	55106	Small Ensemble	00E ELE, 05A MUS, 00E MS	Formerly known as Instrumental Ensemble, Small Ensemble courses help students perform a variety of musical styles (e.g., traditional chamber music, jazz, and rock). At the same time, these courses help cultivate students' technique on instruments appropriate to the style(s) performed—brass, woodwind, string, percussion instruments, and/or electronic and provide experiences in creating and responding to music. Courses typically range in size from 2 to 20 performers.
	55110	Chorus	00E ELE, 05A MUS, 00E MS	Chorus courses provide the opportunity to sing a variety of choral literature styles for men's and/or women's voices and are designed to develop vocal techniques and the ability to sing parts.
	55111	Vocal Ensembles	05A MUS, 00E ELE, 00E MS	Vocal Ensemble courses are intended to develop vocal techniques and the ability to sing parts in small ensemble or madrigal groups. Course goals may include the development of solo singing ability and may emphasize one or several ensemble literature styles.
	55118	Music Appreciation	00E ELE, 05A MUS, 00E MS	Similar in nature to Music History/Appreciation courses, Music Appreciation courses focus specifically on students' appreciation of music. They are designed to help students explore the world of music and to develop an understanding of the importance of music in their lives.
	55122	Culturally Influenced Ensemble	00E EC, 00E ELE, 05A MUS, 06Z ASB, 06Z BLA, 06Z CHE, 06Z CHI, 06Z CRE, 06Z CRO, 06Z DAK, 06Z GV, 06Z KOO, 06Z SAL	Culturally Influenced Ensemble courses help students perform a variety of cultural music styles, such as Mariachi band, steel drum band, Indian gamelan, or African drumming ensembles. At the same time, these courses help students develop techniques on instruments appropriate to the style(s) performed—brass, woodwind, string, percussion instruments, and/or electronic and provide experiences in creating and responding to music. Courses emphasize instrumental music but may also include vocal music. Advanced coursework provides students with opportunities for growth through rehearsal and performance, improvisation, or creating and performing their own compositions.
<b>Visual Arts</b>				
	05178	Art (early childhood education)	00E EC, 00E ELE	Art (early childhood education) courses provide to students developmentally appropriate activities to foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for early childhood education.
	05179	Art (pre-kindergarten)	00E EC	Art (pre-kindergarten) courses provide to students developmentally appropriate activities to foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for pre-kindergarten.
	05180	Art (kindergarten)	00E EC, 00E ELE, 05A ART, 05A ART	Art (kindergarten) courses provide to students developmentally appropriate activities to foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for kindergarten.
	05181	Art (grade 1)	00E EC, 00E ELE, 05A ART	Art (grade 1) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, and strengthen their critical abilities. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for grade 1.
	05182	Art (grade 2)	00E ELE, 05A ART, 00E EC	Art (grade 2) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, and strengthen their critical abilities. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for grade 2.
	05183	Art (grade 3)	00E EC, 00E ELE, 05A ART	Art (grade 3) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, and strengthen their critical abilities. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards for grade 3.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>05 - Fine and Performing Arts</b>				
<b>Visual Arts</b>				
	05184	Art (grade 4)	00E ELE, 05A ART	Art (grade 4) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, make connections to other content areas, develop their own aesthetic, and strengthen their critical abilities. Although typically involving the visual arts (drawing, painting, sculpture, crafts, and the like), these courses may also include other forms of art (for example, dance, music, and theater). Specific course content conforms to any existing state standards for grade 4.
	05185	Art (grade 5)	00E ELE, 05A ART	Art (grade 5) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, make connections to other content areas, develop their own aesthetic, and strengthen their critical abilities. Although typically involving the visual arts (drawing, painting, sculpture, crafts, and the like), these courses may also include other forms of art (for example, dance, music, and theater). Specific course content conforms to any existing state standards for grade 5.
	05186	Art (grade 6)	00E ELE, 05A ART	Art (grade 6) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, make connections to other content areas, develop their own aesthetic, and strengthen their critical abilities. Although typically involving the visual arts (drawing, painting, sculpture, crafts, and the like), these courses may also include other forms of art (for example, dance, music, and theater). Specific course content conforms to any existing state standards for grade 6.
	05187	Art (grade 7)	00E ELE, 05A ART	Art (grade 7) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, make connections to other content areas, develop their own aesthetic, and strengthen their critical abilities. Although typically involving the visual arts (drawing, painting, sculpture, crafts, and the like), these courses may also include other forms of art (for example, dance, music, and theater). Specific course content conforms to any existing state standards for grade 7.
	05188	Art (grade 8)	00E ELE, 05A ART	Art (grade 8) courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, make connections to other content areas, develop their own aesthetic, and strengthen their critical abilities. Although typically involving the visual arts (drawing, painting, sculpture, crafts, and the like), these courses may also include other forms of art (for example, dance, music, and theater). Specific course content conforms to any existing state standards for grade 8.
	05189	Art—General	00E EC, 00E ELE, 05A ART, 32A HI, 32A SPE, 32A VI	Art—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by third grade, students should know and be able to do..."). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Art, early childhood education through grade 8).]
	55151 **	Art Appreciation	00E ELE, 05A ART, 00E MS	Art Appreciation courses introduce students to the many forms of art and help them form an aesthetic framework through which they can judge and critique art of various ages and cultures. These courses also explore the place and significance of art in our society.
	55152 **	Art History	00E ELE, 05A ART, 00E MS	Art History courses introduce students to significant works of art, artists, and artistic movements that have shaped the art world and have influenced or reflected periods of history. These courses often emphasize the evolution of art forms, techniques, symbols, and themes.
	55154 **	Visual Arts—Comprehensive	00E ELE, 05A ART, 00E MS	Visual Arts—Comprehensive courses enable students to explore one or several art forms (e.g., drawing, painting, two- and three-dimensional design, and sculpture) and to create individual works of art. Initial courses emphasize observations, interpretation of the visual environment, visual communication, imagination, and symbolism. Courses cover the language, materials, media, and processes of a particular art form and the design elements used. Advanced courses encourage students to refine their skills while also developing their own artistic styles following and breaking from traditional conventions. Courses may also include the study of major artists, art movements, and styles.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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### 05 - Fine and Performing Arts

#### Visual Arts

	55155 **	Visual Arts—Drawing/Painting	00E ELE, 05A ART, 00E MS	Visual Arts—Drawing/Painting courses focus on the inter-relationships that occur between drawing and painting using a variety of media and techniques, emphasizing observation and interpretation of the visual environment. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Advanced courses may encourage students to refine their creative process and develop their own artistic styles following and breaking from traditional conventions.
	55156 **	Visual Arts—Drawing	00E ELE, 05A ART, 00E MS	Visual Arts—Drawing courses provide a foundation in drawing using a variety of techniques and media (such as pen-and-ink, pencil, chalk, and so on) in both black and white and color, emphasizing observation and interpretation of the visual environment, life drawing, and imaginative drawing. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Advanced courses may encourage students to refine their creative processes and develop their own artistic styles following and breaking from traditional conventions.
	55157 **	Visual Arts—Painting	00E ELE, 05A ART, 00E MS	Visual Arts—Painting courses provide a foundation in painting using a variety of techniques and media (such as watercolor, tempera, oils, acrylics), emphasizing observation and interpretation of the visual environment, life drawing, and imaginative painting. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Advanced courses may encourage students to refine their creative processes and develop their own artistic styles following and breaking from traditional conventions.
	55158 **	Visual Arts—Sculpture	00E ELE, 05A ART, 00E MS	Visual Arts—Sculpture courses promote creative expression through three-dimensional works. These courses explore representational and abstract sculpture through subtractive (carving), additive (modeling), and assemblage techniques in one or more media. Visual Arts—Sculpture courses typically include the production of representational and abstract sculptures while incorporating elements of art and principles of design, along with a study of historical and contemporary sculpture and sculptors from a worldwide perspective. These courses also provide instruction in the process of responding to art through analysis, critique, and interpretation for the purpose of reflecting on and refining work.
	55159 **	Ceramics/Pottery	00E ELE, 05A ART, 00E MS	Ceramics/Pottery courses cover the same topics as Creative Art—Comprehensive courses, but focus on creating three-dimensional works out of clay and ceramic material. Particular attention is paid to the characteristics of the raw materials, their transformation under heat, and the various methods used to create and finish objects.
	55165	Crafts	00E ELE, 05A ART, 00E MS, 06Z ASB, 06Z BLA, 06Z CHE, 06Z CHI, 06Z CRE, 06Z CRO, 06Z DAK, 06Z GV, 06Z KOO, 06Z SAL	Crafts courses help students apply fundamental processes of artistic expression to the materials and accompanying aesthetics of crafts. Students may explore types of folk art and the materials and ways in which objects have been created for practical, religious, spiritual, and cultural needs of people around the world. These courses may survey a wide range of crafts or may focus on only one type of craft; some possibilities include calligraphy, quilting, silk-screening, cake-decorating, tole-painting, mask-making, knitting, crocheting, paper-making, and so on. These courses may also explore aesthetic issues surrounding folk art and artists and engage in critiques of this authentic art form.
	55167	Photography	00E ELE, 05A ART, 11S PHO, 00E MS	Photography courses expose students to the materials, processes, and artistic techniques of taking artistic photographs. Students learn about the operation of a camera, composition, lighting techniques, depth of field, filters, camera angles, and film development. The course may cover black-and-white photography, color photography, or both. As students advance, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic style. These courses may also cover major photographers, art movements, and styles.

#### All Others

	55202 **	IB Arts, Middle Years Program	00E ELE, 05A ART, 00E GNT, 00E MS	International Baccalaureate (IB) Arts, Middle Years Program courses include visual and performing arts and organize learning around the creative cycle. These courses bring students into contact with art forms and aesthetic values of several cultures and help students master artistic techniques.
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Grade	Code	Course Name	Endorsements	Description
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### 08 - Physical, Health, and Safety Education

#### Physical Education

	08028	Physical Education (early childhood education)	00E EC, 00E ELE, 08A HPE, 08A PED	Physical Education (early childhood education) courses emphasize fundamental movement skills, body awareness and control, safety, and the enjoyment of physical activity. Specific content depends upon state standards for early childhood education.
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\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>08 - Physical, Health, and Safety Education</b>				
<b>Physical Education</b>				
	08029	Physical Education (pre-kindergarten)	00E EC	Physical Education (pre-kindergarten) courses emphasize fundamental movement skills, body awareness and control, safety, and the enjoyment of physical activity. Specific content depends upon state standards for pre-kindergarten.
	08030	Physical Education (kindergarten)	00E EC, 00E ELE, 08A HPE, 08A PED	Physical Education (kindergarten) courses emphasize fundamental movement skills, body awareness and control, safety, and the enjoyment of physical activity. Specific content depends upon state standards for kindergarten.
	08031	Physical Education (grade 1)	00E EC, 00E ELE, 08A HPE, 08A PED	Physical Education (grade 1) courses typically emphasize knowledge and skills that lead to health, enjoyment, and social development through physical activity. Course content may include activities that strengthen gross and fine motor skills, body awareness, safety, and the relationship between physical activity and health. Specific content depends upon state standards for grade 1.
	08032	Physical Education (grade 2)	00E EC, 00E ELE, 08A HPE, 08A PED	Physical Education (grade 2) courses typically emphasize knowledge and skills that lead to health, enjoyment, and social development through physical activity. Course content may include activities that strengthen gross and fine motor skills, body awareness, safety, and the relationship between physical activity and health. Specific content depends upon state standards for grade 2.
	08033	Physical Education (grade 3)	00E EC, 00E ELE, 08A HPE, 08A PED	Physical Education (grade 3) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Locomotor skills, strength, endurance, flexibility, safety, and rules and conventions of games and sports are often the focus; health education topics may also be included. Specific content depends upon state standards for grade 3.
	08034	Physical Education (grade 4)	00E ELE, 08A HPE, 08A PED	Physical Education (grade 4) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Locomotor skills, strength, endurance, flexibility, safety, and rules and conventions of games and sports are often the focus; health education topics may also be included. Specific content depends upon state standards for grade 4.
	08035	Physical Education (grade 5)	00E ELE, 08A HPE, 08A PED	Physical Education (grade 5) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Locomotor skills, strength, endurance, flexibility, safety, and rules and conventions of games and sports are often the focus; health education topics may also be included. Specific content depends upon state standards for grade 5.
	08036	Physical Education (grade 6)	00E ELE, 08A HPE, 08A PED	Physical Education (grade 6) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Activities typically include those that increase strength, endurance, and flexibility; reinforce safe technique; teach the rules and conventions of games and sports; and explore the relationship between physical activity and health. Health topics (such as the effects of drugs and alcohol, sexual education, and healthy lifestyles) may also be included. Specific content depends upon state standards for grade 6.
	08037	Physical Education (grade 7)	00E ELE, 08A HPE, 08A PED	Physical Education (grade 7) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Activities typically include those that increase strength, endurance, and flexibility; reinforce safe technique; teach the rules and conventions of games and sports; and explore the relationship between physical activity and health. Health topics (such as the effects of drugs and alcohol, sexual education, and healthy lifestyles) may also be included. Specific content depends upon state standards for grade 7.
	08038	Physical Education (grade 8)	00E ELE, 08A HPE, 08A PED	Physical Education (grade 8) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Activities typically include those that increase strength, endurance, and flexibility; reinforce safe technique; teach the rules and conventions of games and sports; and explore the relationship between physical activity and health. Health topics (such as the effects of drugs and alcohol, sexual education, and healthy lifestyles) may also be included. Specific content depends upon state standards for grade 8.
	08039	Physical Education—General	00E EC, 00E ELE, 08A HPE, 08A PED, 32A HI, 32A SPE, 32A VI	Physical Education—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by third grade, students should know and be able to do..."). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Physical Education, early childhood education through grade 8).]

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>08 - Physical, Health, and Safety Education</b>				
<b>Physical Education</b>				
	08102	Physical and Health Education (early childhood education)	00E EC, 00E ELE, 08A HPE, 08A PED	Physical and Health Education (early childhood education) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for early childhood education.
	08103	Physical and Health Education (pre-kindergarten)	00E EC	Physical and Health Education (pre-kindergarten) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for pre-kindergarten.
	08104	Physical and Health Education (kindergarten)	00E EC, 00E ELE, 08A HPE, 08A PED	Physical and Health Education (kindergarten) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for kindergarten.
	08105	Physical and Health Education (grade 1)	00E EC, 00E ELE, 08A HPE, 08A PED	Physical and Health Education (grade 1) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for grade 1.
	08106	Physical and Health Education (grade 2)	00E EC, 00E ELE, 08A HPE, 08A PED	Physical and Health Education (grade 2) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for grade 2.
	08107	Physical and Health Education (grade 3)	00E EC, 00E ELE, 08A HPE, 08A PED	Physical and Health Education (grade 3) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for grade 3.
	08108	Physical and Health Education (grade 4)	00E ELE, 08A HPE, 08A PED	Physical and Health Education (grade 4) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for grade 4.
	08109	Physical and Health Education (grade 5)	00E ELE, 08A HPE, 08A PED, 08S HEA	Physical and Health Education (grade 5) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for grade 5.
	08110	Physical and Health Education (grade 6)	00E ELE, 08A HPE, 08A PED, 08S HEA	Physical and Health Education (grade 6) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for grade 6.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>08 - Physical, Health, and Safety Education</b>				
<b>Physical Education</b>				
	08111	Physical and Health Education (grade 7)	00E ELE, 08A HPE, 08A PE, 08S HEA	Physical and Health Education (grade 7) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for grade 7.
	08112	Physical and Health Education (grade 8)	00E ELE, 08A HPE, 08A PE, 08S HEA	Physical and Health Education (grade 8) courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of sports or activities (for example, team sports, individual/dual sports, recreational sports, and fitness/conditioning activities) integrated with instruction in personal health (for example, nutrition, mental health and stress management, drug/alcohol abuse prevention, injury and disease prevention, and first aid) and consumer health issues. Specific content depends upon state standards for grade 8.
	08113	Physical and Health Education—General	00E EC, 00E ELE, 08A HPE, 08A PE, 08S HEA, 32A HI, 32A SPE, 32A VI	Physical and Health Education—General courses involve physical- and health-related content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by third grade, students should know and be able to do..."). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Physical and Health Education, early childhood education through grade 8).]
	58005	Fitness/Conditioning Activities	00E ELE, 00E MS, 08A HPE, 08A PE	Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness.
	58007	Adapted Physical Education	00E ELE, 00E MS, 08A HPE, 08A PE, 32A SPE, 00E EC	These courses provide physical education activities (sports, fitness, and conditioning) adapted for students with special needs.
	58018	Structured Recess	08A HPE, 00E ELE, 00E MS, 00E EC, 08A PE	Structured recess is a planned and actively supervised break from regular instruction during the school day. All Students on the school grounds engage in organized "play" or games that emphasize turn taking, helpfulness, rule following, and emotional control. Structured recess must be supervised either by a licensed teacher who is the teacher of record, or an instructional paraprofessional who is a co-teacher under the direction of a licensed teacher.
	58052	Health and Fitness	00E ELE, 08A HEA, 08S HEA, 00E MS, 08A HPE	Health and Fitness courses combine the topics of Health Education courses (nutrition, stress management, substance abuse prevention, disease prevention, first aid, and so on) with an active fitness component (typically including aerobic activity and fitness circuits) with the intention of conveying the importance of life-long wellness habits.
	58058	Substance Abuse Prevention	00E ELE, 08A HEA, 08S HEA, 00E MS, 08A HPE	Substance Abuse Prevention courses focus specifically on the health risks of drugs, alcohol, and tobacco. These courses provide information on the negative consequences of these products and teach students coping strategies to resist the influences (such as peers and media images) that may entice them to use these substances. Students may also explore the community resources available to them.
<b>Health Education</b>				
	08068	Health Education (early childhood education)	00E EC, 00E ELE, 08A HPE	Health Education (early childhood education) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for early childhood education.
	08069	Health Education (pre-kindergarten)	00E EC	Health Education (pre-kindergarten) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for pre-kindergarten.
	08070	Health Education (kindergarten)	00E EC, 00E ELE, 08A HPE	Health Education (kindergarten) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for kindergarten.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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### 08 - Physical, Health, and Safety Education

#### Health Education

	08071	Health Education (grade 1)	00E EC, 00E ELE, 08A HPE	Health Education (grade 1) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for grade 1.
	08072	Health Education (grade 2)	00E ELE, 08A HPE, 00E EC	Health Education (grade 2) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for grade 2.
	08073	Health Education (grade 3)	00E EC, 00E ELE, 08A HPE	Health Education (grade 3) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for grade 3.
	08074	Health Education (grade 4)	00E ELE, 08A HPE	Health Education (grade 4) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for grade 4.
	08075	Health Education (grade 5)	08S HEA, 00E ELE, 08A HPE	Health Education (grade 5) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for grade 5.
	08076	Health Education (grade 6)	00E ELE, 08A HPE, 08S HEA	Health Education (grade 6) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for grade 6.
	08077	Health Education (grade 7)	00E ELE, 08A HPE, 08S HEA	Health Education (grade 7) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for grade 7.
	08078	Health Education (grade 8)	00E ELE, 08A HPE, 08S HEA	Health Education (grade 8) courses emphasize the knowledge and skills that promote sound bodies and minds, prevent disease and dysfunction, and reduce risk. Topics typically involve nutrition and healthy eating habits; growth and development; injury prevention and safety; mental, emotional, and social health; alcohol, tobacco, and other drugs; physical activity; community health; and factors that influence health. Specific content depends upon state standards for grade 8.
	08079	Health Education—General	32A HI, 32A SPE, 32A VI, 32A VI, 00E EC, 00E ELE, 08A HPE, 08S HEA	Health Education—General courses involve health-related content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by third grade, students should know and be able to do..."). These courses include content that may be applicable to states or localities that do not employ grade-level content standards. [These courses provide broad content that is not organized as described elsewhere (i.e., Health Education, early childhood education through grade 8).]

#### Drivers' Education

	58151	Drivers' Education—Classroom Only	31A TRE	Drivers' Education—Classroom Only courses provide students with the knowledge to become safe drivers on America's roadways. Topics in these courses include legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs).
	58152	Drivers' Education—Classroom and Laboratory	31A TRE	Drivers' Education—Classroom and Laboratory courses provide students with the knowledge and experience to become safe drivers on America's roadways. Topics in these courses cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of these courses.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 010 - Computer and Information Sciences

##### Computer Science/Programming

	10022	Computer Science (prior-to-secondary)	10S CC, 10S CS, 12S BUS, 12S BM, 00E MS, 12S CIS, 13S ITE, 00E ELE	Computer Science (prior-to-secondary) courses cover basic principles of computer science. In these courses, students learn how to develop and follow basic algorithms, collect and organize data, troubleshoot hardware and software issues, and think critically about online safety and responsibility. Topics may also include modeling network and transmission protocols; transforming data using computational tools; iteratively developing, testing, and documenting programs; computational thinking; and addressing bias and accessibility in the design and development of technologies. Courses may include learning about emerging technologies.
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##### Computer Literacy

	60001	Introduction to Computer Technology	00E ELE, 12S BUS, 12S CIS, 00E MS, 12S BM, 10S CS	Formerly known as Introduction to Computers, Introduction to Computer Technology courses introduce students to computers, including peripheral and mobile devices; the functions and uses of computer technology; the language used in the industry; possible applications of various computer-based technologies; and occupations related to computer technology hardware and software industries. These courses typically explore legal and ethical issues associated with computer technology use, as well as how changes influence modern society. Students may also be required to perform some computer technology operations.
	60002	Computing Systems	00E ELE, 12S BUS, 12S CIS, 00E MS, 13S ITE, 10S CS	Computing Systems courses offer a broad exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer-assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications.
	60003	Computer and Information Technology	00E ELE, 12S BUS, 12S CIS, 00E MS, 12S BM, 10S CS	Computer and Information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer technology and use.
	60004	Computer Applications	00E ELE, 12S BUS, 12S CIS, 00E MS, 12S BM, 10S CS	In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing.
	60010	Computer Literacy		Computer Literacy courses provide to students the knowledge and ability to use computers and technology efficiently. Typically, course content includes exposure to word-processing, spreadsheet, and presentation applications, but also may include the various uses of computers in modern society. Specific course content aligns with state standards to promote students' technological literacy.

##### Media Technology

	60201	Web Page Design	05A ART, 12S BUS, 12S CIS, 00E ELE, 00E MS, 12S BM, 10S CS	Web Page Design courses teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals.
	60202	Computer Graphics	05A ART, 11S GRA, 00E ELE, 12S BUS, 12S CIS, 13S ITE, 00E MS, 12S BM, 10S CS	Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching.

Grade	Code	Course Name	Endorsements	Description
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#### 022 - Miscellaneous

##### All Others

	22990	Technology for Classroom and Personal Use (Prior-to-Secondary)		In Technology for Classroom and Personal Use courses students acquire knowledge of and experience in the proper, efficient and safe use of a variety of digital tools, i.e., computer, iPad, Smart Board and other emerging technologies to gather, organize and present data. Students learn the basic use of word processing, spreadsheet and digital presentation tools for classroom and personal use. Technology for Classroom and Personal Use courses address the K-12 Content Standards for Technology. Such courses may be taught by teachers with any endorsement at the proper level. Technology for Classroom and Personal Use are NOT approved Career and Technical Education (CTE) courses.
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\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

Prior to Secondary Courses				
Grade	Code	Course Name	Endorsements	Description
<b>022 - Miscellaneous</b>				
<b>Academic Enrichment</b>				
	72003	Study Skills		Study Skills courses prepare students for success in high school and/or for postsecondary education. Course topics may vary according to the students involved, but typically include reading improvement skills, such as scanning, note-taking, and outlining; library and research skills; listening and note-taking; vocabulary skills; and test-taking skills. The courses may also include exercises designed to generate organized, logical thinking and writing.
<b>School Organization/Leadership</b>				
	72101	Leadership		Leadership courses are designed to strengthen students' personal and group leadership skills. Typically intended for students involved in extracurricular activities (especially as officers of organizations or student governing bodies), these courses may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, and group dynamics.
	72104	Community Service		Community Service courses provide students with the opportunity to volunteer their time, energy, and talents to serve a community project or organization. These courses are usually (but not always) conducted with a seminar component, so that students can use their volunteer experiences to learn how to solve problems, make decisions, and communicate effectively.
<b>Career Exploration/Development</b>				
	72151	Career Exploration		Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.
Grade	Code	Course Name	Endorsements	Description
<b>023 - Grade Level (Prior to Secondary)</b>				
<b>All Others</b>				
PK	23001	Early Childhood Education	00E EC, 00E ELE	Early Childhood Education courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for early childhood education.
PK	23002	Pre-kindergarten	00E EC, 32A SPE	Pre-kindergarten courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for pre-kindergarten.
K	23003 **	Kindergarten	00E ELE, 00E EC	Kindergarten courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for kindergarten.
01	23004 **	Grade 1	00E ELE, 00E EC	Grade 1 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 1.
02	23005 **	Grade 2	00E ELE, 00E EC	Grade 2 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 2.
03	23006 **	Grade 3	00E ELE, 00E EC	Grade 3 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 3.
04	23007 **	Grade 4	00E ELE, 00E MS	Grade 4 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 4.
05	23008 **	Grade 5	00E ELE, 00E MS	Grade 5 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 5.
06	23009 **	Grade 6	00E ELE, 00E MS	Grade 6 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 6.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

Prior to Secondary Courses				
Grade	Code	Course Name	Endorsements	Description
<b>023 - Grade Level (Prior to Secondary)</b>				
<b>All Others</b>				
07	23010 **	Grade 7	00E ELE, 00E MS	Grade 7 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 7.
08	23011 **	Grade 8	00E ELE, 00E MS	Grade 8 courses involve content that is not differentiated by subject area. These courses focus on content that is grade-specific and cover various subjects throughout the day, rather than a single subject-specific content area. Specific course content depends upon state standards for Grade 8.
	23012 **	Prior-to-Secondary Education	00E ELE, 00E EC, 00E MS	Prior-to-secondary Education--General courses involve content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by third grade, students should know and be able to do..."). These courses include content that may be applicable to states or localities that do not employ grade-level content standards.
	23040	Self-Contained Classroom (special education)	32A HI, 32E HIEC, 32A VI, 32E VIEC, 32A SPE	Self-Contained Classroom (special education)
Grade	Code	Course Name	Endorsements	Description
<b>24 - World Language and Literature</b>				
<b>Romance Languages</b>				
	24050 **	Spanish for Young Learners (prior-to-secondary)	00E ELE, 06A SPA, 00E MS, 00E EC	Spanish for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Spanish and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures.
	24066 **	IB Language B (Spanish), Middle Years Program	00E ELE, 06A SPA, 00E MS	IB Language B (Spanish), Middle Years Program courses enable students to gain competence in modern Spanish; these courses also encourage respect for and understanding of other languages and cultures.
	24100 **	French for Young Learners (prior-to-secondary)	00E MS, 00E EC, 00E ELE, 06A FRE	French for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in French and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of French-speaking cultures.
	24116 **	IB Language B (French), Middle Years Program	00E ELE, 06A FRE, 00E MS	International Baccalaureate (IB) Language B (French), Middle Years Program courses enable students to gain competence in modern French and encourage respect for and understanding of other languages and cultures.
<b>Germanic Languages</b>				
	24250 **	German for Young Learners (prior-to-secondary)	00E ELE, 06A GER, 00E MS, 00E EC	German for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in German and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of German-speaking cultures.
<b>Classical Languages</b>				
	24340 **	Latin for Young Learners (prior-to-secondary)	00E ELE, 06A LAT, 06E LAT, 00E MS, 00E EC	Latin for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Latin and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Latin-speaking cultures.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 24 - World Language and Literature

##### East Asian Languages

	24400 **	Chinese for Young Learners (prior-to-secondary)	00E ELE, 06A CHI, 00E MS, 00E EC	Chinese Languages for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in Chinese languages and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in Chinese languages by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of Chinese language-speaking cultures. These courses may be used for any Chinese language, including Mandarin and Cantonese.
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##### American Sign Language

	24850	American Sign Language (prior-to-secondary)	06E ASL, 00E ELE, 00E EC, 00E MS, 06A ASL, 06S ASL	American Sign Language for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in American Sign Language and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information on concrete topics. These courses introduce the relationship among the practices, perspectives, and cultures of deaf people and communities.
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##### American Indian Languages

	24900 **	American Indian Language (prior-to-secondary)	06Z ASB, 06Z BLA, 06Z CHE, 06Z CHI, 06Z CRE, 06Z CRO, 06Z DAK, 06Z GV, 06Z KOO, 06Z SAL	American Indian Language for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in an American Indian Language (e.g., Navajo, Cherokee, or Cree) and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in an American Indian Language by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of the cultures associated with the language of study.
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##### All Others

	24950 **	World Language (Other Language) for Young Learners (prior-to-secondary)	06A ARA, 00E ELE, 06A ITA, 06A RUS, 06E IRI, 06E ITA, 06E RUS, 06S IRI, 00E MS, 00E EC, 06A IRI	World Language (Other Language) for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in a language not specified elsewhere in this classification system and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in the language of study by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. These courses introduce the relationships among the products, practices, and perspectives of culture(s) associated with the language of study.
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Grade	Code	Course Name	Endorsements	Description
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#### 011 - Communications and Audio/Visual Technology

##### Communication

	61001	Introduction to Communication	12S BUS, 12S MAR, 00E ELE, 00E MS, 12S CIS, 12S BM, 10S CS	Introduction to Communication courses enable students to understand and critically evaluate the role of media in society. Course content typically includes investigation of visual images, printed material, and audio segments as tools of information, entertainment, and propaganda; improvement of presentation and evaluative skills in relation to mass media; recognition of various techniques for delivery of a particular message; and, in some cases, creation of a media product. The course may concentrate on a particular medium.
	61002	Communication Technology	12S BUS, 12S MAR, 00E ELE, 00E MS, 12S CIS, 12S BM, 10S CS	Communication Technology courses enable students to effectively communicate ideas and information through experiences dealing with drafting, design, electronic communication, graphic arts, printing process, photography, telecommunications, and computers. Additional topics covered in the course include information storage and retrieval. Drafting equipment may be used to make scale drawings, including multi-view drawing, photographs, and poster mock-ups.

##### Audio and Video Technology and Film

	61051	Audio/Visual Production	01S ENG, 05A ART, 11S VID, 11S VIS, 12S BUS, 00E ELE, 12S CIS, 13S ITE, 00E MS, 10S CS	Audio/Visual Production courses provide students with the knowledge and skills necessary for television, video, film, and/or radio production. Writing scripts, camera operation, use of graphics and other visuals, lighting, audio techniques, editing, production principles, and career opportunities are typical topics covered within production courses. Students are usually required to produce their own program or segment. Additional topics such as broadcast industry regulations, radio/TV operation, power of the medium, photography, transmission technology, and so on may be included.
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\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 011 - Communications and Audio/Visual Technology

##### Audio and Video Technology and Film

	61054	Photo Imaging	00E ELE, 05A ART, 11S PHO, 12S BUS, 12S CIS, 13S ITE, 00E MS, 10S CS	Photo Imaging courses provide students with the opportunity to effectively communicate ideas and information via digital, film, still and video photography. Topics covered typically include composition, layout, lighting and supplies. More advanced courses may include instruction in specialized camera and equipment maintenance, application to commercial and industrial need and photography business operations.
	61055	Video	05A ART, 11S VID, 11S VIS, 00E ELE, 12S BUS, 12S CIS, 13S ITE, 00E MS, 10S CS	Video courses enable students to explore video communications, incorporating both the technical and artistic aspects of video media. Topics covered in the course include the use of video equipment and techniques, and students typically create a video presentation. Advanced course topics may include creating various forms of film media including silent film; sport and music video; and self portrait video.

##### Journalism and Broadcasting

	61101	Journalism	00E ELE, 01S ENG, 01S JOU, 05A ART, 12S BUS, 00E MS, 12S BM	Journalism courses (typically associated with the production of a school newspaper, yearbook, or literary magazine) emphasize writing style and technique as well as production values and organization. Journalism courses introduce students to the concepts of newsworthiness and press responsibility; develop students' skills in writing and editing stories, headlines, and captions; and teach students the principles of production design, layout, and printing. Photography and photojournalism skills may be included.
	61102	Photojournalism	01S JOU, 05A ART, 11S PHO, 12S BUS, 00E ELE, 01S ENG, 00E MS	Photojournalism courses expose students to the manner in which photography is used to convey information and experiences. Typically coordinated with production of the school newspaper, yearbook, or other media product, photojournalism courses provide students with the opportunity to improve their photo composition and film development skills, and to apply their art to journalistic endeavors.
	61104	Publication Production	00E ELE, 01S ENG, 01S JOU, 05A ART, 12S BUS, 01S ENG, 12S CIS, 00E MS, 12S BM, 10S CS	Publication Production courses provide students with the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or other printed publication. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication.

##### Printing Technology and Production

	61151	Digital Media Technology	00E ELE, 01S JOU, 05A ART, 12S BUS, 12S CIS, 00E MS, 12S BM, 10S CS	These courses are designed to give students the skills necessary to support and enhance their learning about digital medial technology. Topics covered in the course may include internet research, copyright laws, web-publishing, use of digital imagery, electronic forums, newsgroups, mailing lists, presentation tools, and project planning.
	61152	Desktop Publishing	01S JOU, 05A ART, 11S GRA, 12S BUS, 00E ELE, 12S CIS, 00E MS, 12S BM, 10S CS	Desktop Publishing courses integrate the knowledge and skills learning in word processing with the concepts, procedures and application of desktop publishing. Students learn to format, create and proofread brochures, programs, newsletters, web pages, presentations and manuscripts.

Grade	Code	Course Name	Endorsements	Description
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#### 012 - Business and marketing

##### Administration

	62001	Business/Office Career Exploration	00E ELE, 12S BUS, 12S OFF, 01S ENG, 12S BM	Business/Office Career Exploration courses expose students to the occupational opportunities available in the accounting, administration, data processing, management, and secretarial fields. Emphasis is placed on responsibilities, qualifications, work environment, and career paths. These courses may also include consumer education topics, keyboard exposure, and/or hands-on experience within the various occupational areas.
	62005	Keyboarding		Keyboarding courses provide students with an introduction to the keyboard (letters, numbers, and symbols), basic machine operation, and proper keystroke technique. As students progress, they improve their speed and accuracy and produce increasingly complex documents. Such courses help students develop keyboard proficiency, document production skills, and problem-solving skills.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Prior to Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 012 - Business and marketing

##### Administration

	62006	Word Processing		Word Processing courses introduce students to automated document production using one or more software packages. These courses may introduce keyboarding techniques or may require prior experience; in either case, speed and accuracy are emphasized. A parallel focus is placed on the use of software commands and functions to create, edit, format, and manipulate documents, capitalizing on the power offered by word processing software programs. These courses may also cover file and disk management and other computer-related skills.
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##### Finance

	62101	Banking and Finance	12S BUS, 00E MS, 00E ELE, 12S BM	Banking and Finance courses provide students with an overview of the American monetary and banking system as well as types of financial institutions and the services and products that they offer. Course content may include government regulations; checking, savings, and money market accounts; loans; investments; and negotiable instruments.
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##### Marketing

	62151	Marketing Career Exploration	12S BUS, 12S MAR, 00E MS, 00E ELE, 12S BM	Geared for students with an interest in marketing, sales, or small business operation, Marketing Career Exploration courses expose students to the opportunities available in retail, wholesale, advertising, and other occupational fields using marketing principles.
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Grade	Code	Course Name	Endorsements	Description
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#### 013 - Manufacturing

##### Manufacturing Technology

	63001	Exploration of Manufacturing Occupations	13S WLD, 13S MET, 17S BM, 17S ELC, 20S AV, 20S DM, 20S HEO, 13S ITE, 21S ENG, 17S DRF, 17S BT, 17S CAR, 20S ATT, 20S SE, 20S ATB, 13S MCH	Exploration of Manufacturing Occupations courses introduce and expose students to the career opportunities pertaining to the processing and production of goods. Course topics vary and may include (but are not limited to) systems pertinent to the manufacturing process, properties of various raw materials, and the methods used to transform materials into consumer products. Course activities depend upon the careers being explored; course topics may include entrepreneurship, labor laws, economic impact, and customer service.
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	63003	Industrial Arts	13S ITE, 00E ELE, 00E MS, 21S ENG, 17S DRF, 17S BT, 17S CAR, 20S ATT, 20S SE, 20S ATB, 13S MCH, 13S WLD, 13S MET, 17S BM, 17S ELC, 20S AV, 20S HEO	Industrial Arts courses expose students to the tools and machines that they may encounter in manufacturing-related occupations and enable them to develop the skills they need to use these tools in various applications. Course topics typically include (but are not limited to) drawing and planning, electricity, graphic arts, woodworking, leatherwork, metalwork, plastics, and power technology. These courses typically cover general safety and career exploration as well.
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	63052	Material and Processes	17S BT, 17S CAR, 20S ATT, 20S SE, 20S ATB, 13S MCH, 13S WLD, 13S MET, 17S BM, 17S ELC, 20S AV, 20S DM, 20S HEO, 13S ITE, 21S ENG, 17S DRF, 00E ELE	Material and Processes courses expose students to the tools, equipment, and processes that may be encountered in manufacturing-related occupations. In particular, these courses stress the analysis, testing, and processing of metals, plastics, woods, ceramics, and composite materials.
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##### Production Systems

	63103	Product Development	00E ELE, 13S ITE, 13S MCH	Product Development courses provide students with the opportunity to focus on one or more areas of industrial technology to design or redesign a product to solve a problem. Students may build prototypes and working models and may evaluate the product and process according to industry standards.
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##### Metalwork

	63201	Metalwork Occupations	13S ITE, 13S MCH, 13S MET, 13S WLD, 18S AB, 18S AM, 00E ELE	Metalwork Occupations courses provide students with theoretical principles and laboratory experiences related to the planning, manufacturing, assembling, testing, and repairing of parts, mechanisms, and structures in which materials are cast, formed, treated, cut, fused, or otherwise processed in some fashion.
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\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

Prior to Secondary Courses				
Grade	Code	Course Name	Endorsements	Description
<b>014 - Health Care Sciences</b>				
<b>Comprehensive</b>				
	64001	Exploration of Health Care Occupations	00E ELE, 03S BF, 03S BIO, 08S HEA, 14S HPT, 08A HEA, 14S HPB, 14S HPT, 00E MS, 08S HSI	Exploration of Health Care Occupations courses expose students to the variety of opportunities available within the health care industry (e.g., such as nursing, therapy, dental care, administrative services, and lab technology). These courses provide experiences in several of these occupational clusters, along with information and knowledge related to the health care industry as a whole.
	64002	Health Care Occupations—Comprehensive	00E ELE, 14S HPT, 08A HEA, 08S HEA, 14S HPB, 14S HPT, 00E MS, 08S HSI	Health Care Occupations—Comprehensive courses provide students with an orientation to the health care industry and help refine their health care-related knowledge and skills. Topics covered usually include (but are not limited to) an overview of health care delivery; patient care, including assessment of vital signs, body mechanics, and diet; anatomy and physiology; identification and use of medical equipment and supplies; medical terminology; hygiene and disease prevention; first aid and CPR procedures; laboratory procedures; and ethical and legal responsibilities.
<b>All Others</b>				
	67001	Construction Careers Exploration	00E ELE, 13S ITE, 17S BT, 00E MS, 17S CAR, 17S WOO	Construction Career Exploration courses expose students to the opportunities available in construction-related trades, such as carpentry, masonry, air conditioning/refrigeration, plumbing, and so on. Students learn about the processes involved in construction projects and may engage in a variety of small projects. These courses emphasize responsibilities, qualifications, work environment, rewards, and career paths within construction-related fields.
	67002	Construction—Comprehensive	00E ELE, 13S ITE, 17S BT, 00E MS, 17S CAR, 17S WOO	Construction—Comprehensive courses provide the basic knowledge and skills required for construction of commercial, residential, and institutional structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction-related occupations such as carpentry, cabinetmaking, bricklaying, electrical trades, plumbing, concrete masonry, and so on. Students engage in activities such as reading blueprints, preparing building sites, starting foundations, erecting structures, installing utilities, finishing surfaces, and providing maintenance.
	68001	Introduction to Agriculture and Natural Resources	18S AG, 00E ELE, 00E MS, 18S AB, 18S AM, 18S LP, 18S PS, 18S AH	Introduction to Agriculture courses survey a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and livestock career opportunities and to those in related fields (such as natural resources). These courses serve to introduce students to the agricultural field, providing an opportunity for student to identify an area for continued study or to determine that their interest lies elsewhere. They often focus on developing communication skills, business principles, and leadership skills.
	68002	Agriculture—Comprehensive	18S AG, 00E ELE, 00E MS, 18S LP, 18S PS, 18S AB, 18S AH, 18S AM	Agriculture—Comprehensive courses cover a wide range of agricultural topics, including plant and animal science, production, and processing; agricultural mechanics, including tool and machine operation and repair; construction and repair of farm structures; business operations and management; and the careers available in the agricultural industry. Courses may also include topics such as chemical and soil science, ecology, agricultural marketing, and veterinary science.
	68003	Agriculture and Natural Resources—Comprehensive	18S AB, 18S AG, 00E ELE, 00E MS, 18S AH, 18S LP, 18S PS, 18S AM	Agriculture and Natural Resources—Comprehensive courses cover a wide range of topics concerning agriculture and natural resources, including plant and animal science, production, and processing; environmental science and conservation; ecology; agricultural mechanics; agricultural construction; business operations and management; and the careers available in the agricultural/natural resources industry. Courses may also include topics such as chemical and soil science, forestry, agricultural marketing, and veterinary science.
Grade	Code	Course Name	Endorsements	Description
<b>017 - Architecture and Construction</b>				
<b>Electricity/Electronics</b>				
	67101	Exploration of Electricity/Electronics	00E ELE, 13S ITE, 17S BT, 17S CAR, 17S WOO	Exploration of Electricity/Electronics courses offer instruction in the theory of electricity and in the terminology, skills, and safety procedures common to careers involving electricity and electronics. Topics include (but are not limited to) Ohm's law, electrical equipment, wire systems, and so on; career exploration is often (but not always) an integral part of these courses.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

Prior to Secondary Courses				
Grade	Code	Course Name	Endorsements	Description
<b>019 - Human Services</b>				
<b>Family and Consumer Sciences</b>				
	69251	Family and Consumer Sciences—Comprehensive	00E MS, 23S FCS, 00E ELE	Family and Consumer Sciences—Comprehensive courses help students to develop the knowledge and skills that are used to manage one’s family and career efficiently and productively. Course topics typically include foods and nutrition; apparel; child care and development; housing, interior design, and maintenance; consumer decisions; personal financial management; interpersonal relationships; and careers available in family and consumer sciences.
	69252	Food Preparation and Health Management	23S FCS, 00E ELE, 00E MS	Formerly known as Food and Nutrition, Food Preparation and Health Management courses provide students with an understanding of food’s role in society, instruction in how to plan and prepare meals, and information about the nutritional and health benefits of minimizing processed and prepared food and prepackaged/prepared meals from one’s diet. These courses not only build on the basic skills of food preparation but also address financial considerations and recipe conversion to make foods healthier. Some courses place a heavier emphasis on a balanced diet, while others concentrate on specific types of food preparation (such as low sodium, low fat, or increased whole foods). These courses will also address current issues such as organic foods and vegan cooking.
	69256	Clothing/Sewing	23S FCS, 00E ELE, 00E MS, 23S TEX	Clothing/Sewing courses introduce students to and expand their knowledge of various aspects of wearing apparel, sewing, and fashion. These courses typically include wardrobe planning; selection, care, and repair of various materials; and construction of one or more garments. They may also include related topics, such as fashion design and history, the social and psychological aspects of clothing, careers in the clothing industry, and craft sewing.
	69257	Life Skills	23S FCS, 00E ELE, 00E MS	Life Skills courses provide students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. These courses often emphasize process skills, including goal-setting, decision making, and other topics such as the setting of priorities, money and time management, interpersonal relationships, and the development of the self. Additionally, specific topics such as wellness, selecting and furnishing houses, meeting transportation needs, nutrition, preparing food, selecting clothing and building a wardrobe, insurance, taxation, and consumer protection may also be covered.
<b>All Others</b>				
	69262	Consumer Economics/Personal Finance	23S FCS, 00E ELE, 12S BUS, 00E MS, 12S BM	Consumer Economics/Personal Finance courses provide students with an understanding of the concepts and principles involved in managing one’s personal finances. These courses emphasize lifespan goal-setting, individual and family decisionmaking, and consumer rights as well as topics that are commonly associated with personal finance so that one can become a financially responsible consumer. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also investigate the effects of the global economy on consumers and the family.
Grade	Code	Course Name	Endorsements	Description
<b>020 - Transportation, Distribution, and Logistics</b>				
<b>Mechanics and Repair</b>				
	70103	Introduction to Automobiles	00E ELE, 13S ITE, 20S ATB, 20S ATT, 20S SE	Primarily intended as a personal automobile mechanics course, but also useful for students exploring future careers in automotive technologies, Introduction to Automobiles courses expose students to the various mechanical systems in automobiles and provide basic experience in maintenance tasks. The course may also cover career opportunities in the automotive and/or transportation fields.
Grade	Code	Course Name	Endorsements	Description
<b>021 - Engineering and Technology</b>				
<b>Engineering</b>				
	71009	Robotics		Robotics courses develop and expand students’ skills and knowledge so that they can design and develop robotic devices. Topics covered in the course may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers.
<b>Technology</b>				
	71051	Technological Literacy	12S BUS, 12S CIS, 13S ITE, 00E ELE, 00E MS, 10S CS	Technological Literacy courses expose students to the communication, transportation, energy, production, biotechnology, and integrated technology systems and processes that affect their lives. The study of these processes enables students to better understand technological systems and their applications and uses.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

Prior to Secondary Courses				
Grade	Code	Course Name	Endorsements	Description
<b>021 - Engineering and Technology</b>				
<b>Technology</b>				
	71053	Emerging Technologies	00E ELE, 13S ITE	Emerging Technologies courses expose students to and help them understand new and emerging technologies. The range of technological issues covered in this course can vary widely and content covered can be flexible. Topics covered may include, but are not limited to, lasers, fiber optics, robotics, and transportation technologies.
	71055	Aerospace Technology	00E ELE, 13S ITE	Aerospace Technology courses introduce students to the technology systems used in the aerospace industry and their interrelationships. Examples of such systems include satellite communications systems, composite materials in airframe manufacturing, space station constructions techniques, space shuttle propulsion systems, aerostatics, and aerodynamics.
<b>Drafting</b>				
	71101	Drafting Careers Exploration	00E ELE, 13S ITE, 17S DRF, 21S ENG	Geared for students with an interest in careers that use drafting skills and applications, Drafting Careers Exploration courses expose students to the opportunities available for draftspeople (engineering, architectural, industrial, and so on). These courses serve to introduce basic skills and the field in general, providing students with the opportunity to identify a focus for continued study or to determine that their interests lie elsewhere.
	71102	Drafting—General	00E ELE, 13S ITE, 17S BT, 17S DRF, 00E MS	Drafting—General courses, usually offered as a sequence of courses, introduce students to the technical craft of drawing illustrations to represent and/or analyze design specifications and then refine the skills necessary for this craft. Drafting—General courses use exercises from a variety of applications to provide students with the knowledge and experience to develop the ability to perform freehand sketching, lettering, geometric construction, and multiview projections and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems (if available) are typically introduced and used to fulfill course objectives.
<b>All Others</b>				
	72004	Dropout Prevention Program		Dropout Prevention Program courses vary widely, but typically are targeted at students who have been identified as being at risk of dropping out of or failing in school. Course content may include study skills and individual tutorials; career exploration or job readiness skills; communication skills; personal assessment and awareness activities; speaker presentations; and small-group seminars.

## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

Secondary Courses				
Grade	Code	Course Name	Endorsements	Description
<b>01 - English Language and Literature</b>				
<b>Comprehensive Language Arts</b>				
09	01001 **	English/Language Arts I (9th grade)	01S ENG	English/Language Arts I (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.
10	01002 **	English/Language Arts II (10th grade)	01S ENG	English/Language Arts II (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.
11	01003 **	English/Language Arts III (11th grade)	01S ENG	English/Language Arts III (11th grade) courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.
12	01004 **	English/Language Arts IV (12th grade)	01S ENG	English/Language Arts IV (12th grade) courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>01 - English Language and Literature</b>				
<b>Comprehensive Language Arts</b>				
	01005 **	AP English Language and Composition	01S ENG	Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes.
	01006 **	AP English Literature and Composition	01S ENG	Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Literature and Composition courses enable students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing).
	01007 **	IB Language A: Literature—English	01S ENG	IB Language A: Literature—English courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using English in an academic context.
	01008 **	English as a Second Language	06A ESL	English as a Second Language (ESL) courses are designed for the rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. ESL courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. These courses provide an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then to advance to "regular" English courses. ESL classes may also include an orientation to the customs and culture of the diverse population in the United States.
	01011	IB Language A: Language and Literature - English	01S ENG, 33S DCWR, 33S DCWRTG	IB Language A: Language and Literature—English courses prepare students to take the International Baccalaureate Language A: Language and Literature exams. Course content includes in-depth study of various text types and literary forms, composition for purpose and audience, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using English in an academic context.
	01014 **	CI English Language	01S ENG	Cambridge International (CI) English Language courses prepare students to take the Cambridge English Language assessments. These courses teach students to critically respond to a variety of texts in a range of forms, styles, and contexts, and promote skills of communication, reading, research, and analysis. Students will gain an understanding of English language features and issues as well we develop writing skills for different purposes and audiences.
<b>Literature/Reading</b>				
	01051 **	English/Literature (freshmen and sophomores)	01S ENG	English/Literature (freshmen and sophomores) courses are designed for freshmen and/or sophomores and typically introduce them to two or more genres of literature (novel, short story, poetry, and so on). Exploration of each genre's literary elements; determination of theme and intent; and examination of vocabulary and semantics are often included in the course content. Writing assignments are required as an additional method to improve understanding and comprehension.
	01052 **	English/Literature (juniors and seniors)	01S ENG	English/Literature (juniors and seniors) courses are designed for juniors and/or seniors and emphasize comprehension, discernment, and critical-thinking skills in the reading of texts and literature. These courses introduce and explore more advanced literary techniques (irony, satire, humor, connotation, tone, rhythm, symbolism, and so on) through two or more literary genres, with the aim of creating sophisticated readers. Writing assignments are required as an additional method to develop and improve critical-thinking and analytic skills.
	01053 **	Literature	01S ENG	Literature courses offer the opportunity for students to study and reflect upon the themes presented in the body of literature being presented. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the reading selection and as they understand how the work reflects society's problems and culture. Oral discussion is an integral part of literature courses, and written compositions are often required. Literature courses may survey representative works, reflect a particular genre or a specific theme, or survey works of a particular time or people.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>01 - English Language and Literature</b>				
<b>Literature/Reading</b>				
	01055 **	American Literature/History	01S ENG	American Literature/History courses integrate the study of American literature with an overview of U.S. history. These courses may also include other aspects of American culture, such as art or music. A two-year sequence or two-period per day class may be required to cover the same objectives as would be covered separately in U.S. History Overview and American Literature.
	01058 **	World Literature	01S ENG	World Literature courses use representative literature selections from ancient and/or modern times from countries around the world. Students improve their critical-thinking skills as they comprehend the diversity of literary traditions and the influences of those traditions. Oral discussion is an integral part of literature courses, and written compositions are often required.
	01060 **	Literature of an Author	01S ENG	These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on a particular author and his or her work. Students determine the underlying assumptions and values within the selected works; compare techniques, styles, and themes of the author; and reflect upon the time period in which the author lived. Oral discussion is an integral part of literature courses, and written compositions are often required.
	01061 **	Literature of a Genre	01S ENG	These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on one or several genres, such as poetry, essay, biography, short story, drama, and so on. Students determine the underlying assumptions and values within the selected works and also examine the structure, techniques, and intentions of the genre being studied. Oral discussion is an integral part of these genre-oriented courses, and written compositions are often required.
	01062 **	Literature of a Period	01S ENG	These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on the literature written during or reflecting a particular time period (such as the French Revolution, the 1960s, or the 20th century). Students determine the underlying assumptions and values within the selected works, reflect upon the influence of societal events and social attitudes, and compare the points of view of various authors. Oral discussion is an integral part of literature courses, and written compositions are often required.
	01063 **	Literature of a Place	01S ENG	These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on a particular geographic region. Students determine the underlying assumptions and values within the selected works; study how the literature reflects the land, society, and history of the region; and may study the influence of this literature on others. Oral discussion is an integral part of literature courses, and written compositions are often required.
	01064 **	Literature of a People	01S ENG	These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), but use literature written by authors who share a particular characteristic such as religion, culture, or gender. Students determine the underlying assumptions and values within the selected works, reflect upon the influence of a common characteristic, and compare the points of view of various authors. Oral discussion is an integral part of literature courses, and written compositions are often required.
	01065 **	Literature of a Theme	01S ENG	These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), but use selected literature to explore a particular theme as expressed from several points of view. Such themes might include The American Dream, Society and Self, Exploration, War and Peace, and the like.
	01066	Strategic Reading	01S ENG, 31A REA, 32A SPE	Strategic Reading courses are intended to improve a student's vocabulary, critical-thinking and analysis skills, or reading rate and comprehension level. Although these courses typically emphasize works of fiction, they may also include works of nonfiction (including textbooks). Strategic Reading courses often have a time-management focus, offering strategies for note-taking or for understanding and evaluating the important points of a text.
	01067	Assisted Reading	01S ENG, 31A REA, 32A SPE	Assisted Reading courses offer students the opportunity to focus on their reading skills. Assistance is targeted to students' particular weaknesses and is designed to bring students' reading comprehension up to the desired level or to develop strategies to read more efficiently.
	01068	Corrective Reading	01S ENG, 31A REA, 32A SPE	Corrective Reading courses offer diagnostic and remedial activities designed to correct reading difficulties and habits that interfere with students' progress in developing reading skills and understandings. Activities are chosen to increase or improve students' reading comprehension, reading technique, and general literacy skills.
	01069 **	Mythology	01S ENG	Mythology courses introduce students to the origins and meaning of myths, including how cultures use myths to explain natural or social phenomenon. Students will explore the major themes, stories, characters, and archetypes present in the mythologies of several different cultures.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>01 - English Language and Literature</b>				
<b>Literature/Reading</b>				
	01070 **	CI English Literature	01S ENG	Cambridge International (CI) English Literature courses prepare students to take the Cambridge English Literature assessments. These courses teach students the three main forms of literature; prose, poetry, and drama, through texts from a wide range of different periods and cultures. Students will learn to read, analyze, and discuss the critical context of literature as well as develop skills of effective and appropriate communication.
<b>Composition/Writing</b>				
	01101 **	English/Composition (freshmen and sophomores)	01S ENG	English/Composition (freshmen and sophomores) courses are designed for freshmen and/or sophomores and build upon previous writing skills. These courses seek to develop the writing processes and practices necessary for producing successful high school compositions. Students typically learn to write persuasive, critical, and creative multi-paragraph essays and compositions. While emphasizing composition, these courses may also incorporate some literature study to expose students to exemplary illustrations of various forms of writing.
	01102 **	English/Composition (juniors and seniors)	01S ENG, 33S DCWR	English/Composition (juniors and seniors) courses are designed for juniors and/or seniors and build upon previous writing skills. Reinforcing the logic and critical-thinking skills that accompany good writing, these courses—which emphasize word choice, usage, and writing mechanics—provide continued and advanced instruction in writing for a variety of purposes and audiences. English/Composition (juniors and seniors) courses may emphasize college or business preparation; literature study may be offered as an additional component in which students analyze examples of several genres.
	01104 **	Creative Writing	01S ENG, 33S DCWRTG	Creative Writing courses offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. Although most creative writing classes cover several expressive forms, others concentrate exclusively on one particular form (such as poetry or playwrighting).
	01105 **	Research/Technical Writing	01S ENG, 33S DCWR	Research/Technical Writing classes prepare students to write research papers and/or technical reports. These classes emphasize researching (primary and secondary sources), organizing (material, thoughts, and arguments), and writing in a persuasive or technical style.
	01106 **	CI English General Paper	01S ENG	Cambridge International (CI) English General Paper courses prepare students to take the Cambridge English General Paper assessments. These courses teach students to write in English through the study of a wide range of contemporary topics, to analyze opinions and ideas, and to construct arguments. Students will gain the skill of English writing comprehension as well as skills of developing arguments, independent reasoning, interpretation, persuasion, and presenting a clear point of view.
<b>Speech and Communication</b>				
	01151	Public Speaking	01S SPE, 01S ENG, 33S CMM, 33S CMM	Public Speaking courses enable students, through practice, to develop communication skills that can be used in a variety of speaking situations (such as small and large group discussions, delivery of lectures or speeches in front of audiences, and so on). Course topics may include (but are not limited to) research and organization, writing for verbal delivery, stylistic choices, visual and presentation skills, analysis and critique, and development of self-confidence.
	01152	Forensic Speech—Inclusive	01S ENG, 01S SPE, 33S CMM	Forensic Speech—Inclusive courses offer students the opportunity to learn how to use oral skills effectively in formal and informal situations. Students learn such skills as logic and reasoning, the organization of thought and supporting materials, and effective presentation of one's voice and body. Often linked to an extracurricular program, these courses introduce students to numerous public speaking situations, and they learn the methods, aims, and styles of a variety of events (e.g., formal debate, Lincoln-Douglas debate, expository speaking, radio broadcast, oral interpretation, and dramatic interpretation). Participation in competition is encouraged, but not always required.
	01153	Forensic Speech—Debate	01S ENG, 01S SPE, 33S CMM	Forensic Speech—Debate courses offer students the opportunity to learn how to use oral skills in formal and informal situations. In these courses, students are able to develop such skills as logic and reasoning, research and analysis, organization of thought and supporting materials, argumentative style and skill, and effective presentation of one's voice and body. Often linked to an extracurricular program, these courses introduce students to the methods, aims, and styles used in various kinds of debates (formal debate or Lincoln-Douglas). Participation in competition is encouraged, but not always required.
	01156	Applied English and Communications	01S ENG, 32A SPE, 32A HI, 32A VI	Applied English and Communications courses teach students communication skills—reading, writing, listening, speaking—concentrating on “real-world” applications. These courses usually emphasize the practical application of communication as a business tool—using technical reports and manuals, business letters, resumes, and applications as examples—rather than emphasize language arts skills as applied to scholarly and literary materials.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 01 - English Language and Literature

##### Linguistics

	01201	English Morphology and Grammar	01S ENG	English Morphology and Grammar courses involve the study of the English language—its roots and derivations, structure and sentence patterns, dialects, writing and spelling systems, and uses as a communication tool.
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##### General

	01997	MT Options Proficiency - English		These will only be available for schools who offer MT Options programs not all schools
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Grade	Code	Course Name	Endorsements	Description
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#### 02 - Mathematics

##### Foundation Mathematics

	02002 **	General Mathematics	02S MAT, 32A VI, 32A HI, 32A SPE	General Mathematics courses reinforce and expand students' foundational mathematic skills, such as arithmetic operations using rational numbers; area, perimeter, and volume of geometric figures, congruence and similarity, angle relationships, the Pythagorean theorem, the rectangular coordinate system, sets and logic, ratio and proportion, estimation, formulas, solving and graphing simple equations and inequalities.
	02003	Particular Topics in Foundation Mathematics	02S MAT, 32A SPE, 32A HI, 32A VI	These courses examine particular topics in Foundation Mathematics, such as arithmetic, sequences, or basic conceptual skills, rather than provide a general overview.

##### Pure Mathematics

	02051 **	Pre-Algebra	02S MAT	Pre-Algebra courses increase students' foundational math skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers (i.e., number theory), ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities.
	02052 **	Algebra I	02S MAT	Algebra I courses include identifying and representing linear, exponential, and quadratic functions; developing an understanding of the relationships between the symbolic, graphic, tabular, and verbal representations of functions; solving a variety of functions; operating with polynomials; and modeling linear data, including examining regressions. Specific content depends upon state standards.
	02053 **	Algebra I—Part 1	02S MAT	The first part in a multipart sequence of Algebra I. This course generally covers the same topics as the first semester of Algebra I. Specific content depends upon state standards.
	02054 **	Algebra I—Part 2	02S MAT	The second part in a multipart sequence of Algebra I. This course generally covers the same topics as the second semester of Algebra I. Specific content depends upon state standards.
	02055 **	Transition Algebra	02S MAT	Transition Algebra courses review and extend algebra and geometry concepts for students who have already taken Algebra I and Geometry. Transition Algebra courses include a review of such topics as properties and operations of real numbers; evaluation of rational algebraic expressions; solutions and graphs of first degree equations and inequalities; translation of word problems into equations; operations with and factoring of polynomials; simple quadratics; properties of plane and solid figures; rules of congruence and similarity; coordinate geometry including lines, segments, and circles in the coordinate plane; and angle measurement in triangles including trigonometric ratios.
	02056 **	Algebra II	02S MAT	Algebra II course topics typically include developing an understanding of the relationships between the symbolic, graphic, tabular and verbal representations of functions; utilizing the various representations to interpret function behavior and solve equations; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher-degree equations; exponential functions; inverse functions; statistical modeling; modeling linear and quadratic data; and operations with rational and irrational exponents. Specific content depends upon state standards.
	02057 **	Algebra III	02S MAT	Algebra III courses review and extend algebraic concepts for students who have already taken Algebra II. Course topics include (but are not limited to) operations with rational and irrational expressions, factoring of rational expressions, linear equations and inequalities, quadratic equations, solving systems of linear and quadratic equations, properties of higher degree equations, and operations with rational and irrational exponents. The courses may introduce topics in discrete math, elementary probability and statistics; matrices and determinants; and sequences and series.
	02058	Particular Topics in Algebra	02S MAT	These courses examine a specific topic in algebra, such as linear equations or rational numbers, rather than provide an overview of algebra concepts.

\*\* This course is considered a Core Course

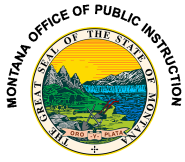


## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>02 - Mathematics</b>				
<b>Pure Mathematics</b>				
	02062 **	Integrated Mathematics I	02S MAT	Integrated Mathematics I courses emphasize proficiency in skills involving numbers and operations, algebra, geometry, statistics, and probability. These courses are offered as the first course in a 3- or 4-year sequence of college-preparatory mathematics courses that replace traditional Algebra 1, Geometry, and Algebra 2 courses.
	02063 **	Integrated Mathematics II	02S MAT	Integrated Mathematics II courses emphasize proficiency in skills involving numbers and operations, algebra, geometry, statistics, and probability. These courses are offered as the second course in a 3- or 4-year sequence of college-preparatory mathematics courses that replace traditional Algebra 1, Geometry, and Algebra 2 courses.
	02064 **	Integrated Mathematics III	02S MAT	Integrated Mathematics III courses emphasize proficiency in skills involving numbers and operations, algebra, geometry, statistics, and probability. These courses are offered as the third course in a 3- or 4-year sequence of college-preparatory mathematics courses that replace traditional Algebra 1, Geometry, and Algebra 2 courses.
	02065 **	Integrated Mathematics IV	02S MAT	Integrated Mathematics IV courses emphasize proficiency in skills involving numbers and operations, algebra, geometry, statistics, and probability. These courses are offered as the fourth course in a 4-year sequence of college-preparatory mathematics courses that replace traditional Algebra 1, Geometry, and Algebra 2 courses.
	02069	Algebra—Other	02S MAT	Other Algebra courses.
	02072 **	Geometry	02S MAT	Geometry courses, emphasizing a formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; rigid transformations and dilations; and rules of angle measurement in triangles, quadrilaterals, vertical angles, lines intersected by a transversal, etc.
	02101	Number Theory	02S MAT	Number Theory courses review the properties and uses of integers and prime numbers, and extend this information to congruencies and divisibility.
	02102 **	Discrete Mathematics	02S MAT	Discrete Mathematics courses include the study of topics such as number theory, discrete probability, set theory, symbolic logic, Boolean algebra, combinatorics, recursion, basic algebraic structures and graph theory.
	02103 **	Trigonometry	02S MAT	Trigonometry courses prepare students for eventual work in calculus and typically include the following topics: trigonometric and circular functions; their inverses and graphs; relations among the parts of a triangle; trigonometric identities and equations; solutions of right and oblique triangles; and complex numbers.
	02104 **	Math Analysis	02S MAT	Math Analysis courses include the study of polynomial, logarithmic, exponential, and rational functions and their graphs; vectors; set theory; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity. They may also include some study of trigonometry and/or pre-calculus topics.
	02106 **	Trigonometry/Algebra	02S MAT	Trigonometry/Algebra courses combine trigonometry and advanced algebra topics, and are usually intended for students who have attained Algebra I and Geometry objectives. Topics typically include right trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; and properties of higher degree equations.
	02110 **	Pre-Calculus	02S MAT	Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.
	02111	Linear Algebra	02S MAT	Linear Algebra courses include a study of matrices, vectors, tensors, and linear transformations and are typically intended for students who have attained pre-calculus objectives.
	02112 **	Linear Programming	02S MAT	Linear Programming courses include a study of mathematical modeling and the simplex method to solve linear inequalities and are typically intended for students who have attained pre-calculus objectives.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>02 - Mathematics</b>				
<b>Pure Mathematics</b>				
	02113	Abstract Algebra	02S MAT	Abstract Algebra courses include a study of the properties of the number system from an abstract perspective, including such topics as number fields (i.e., rational, real, and complex numbers), integral domains, rings, groups, polynomials, and the fundamental theorem of algebra. Abstract Algebra is typically geared towards students who have attained pre-calculus objectives.
	02114 **	AP Precalculus	02S MAT	Following the College Board's suggested curriculum designed to parallel college-level precalculus courses, AP Precalculus courses introduce students to mathematical modeling and functions that serve as a foundation for calculus and other college-level mathematics needed for a variety of STEM majors and careers. Topics typically include polynomial & rational functions, exponential and logarithmic functions, trigonometric & polar functions, and functions involving parameters, vectors, and matrices.
	02121 **	Calculus	02S MAT	Calculus courses include the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis).
	02124 **	AP Calculus AB	02S MAT	Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of-change problems); and integral calculus (including antiderivatives and the definite integral).
	02125 **	AP Calculus BC	02S MAT	Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus BC courses provide students with an intuitive understanding of the concepts of calculus and experience with its methods and applications, and also require additional knowledge of the theoretical tools of calculus. These courses assume a thorough knowledge of elementary functions, and cover all of the calculus topics in AP Calculus AB as well as the following topics: vector functions, parametric equations, and polar coordinates; rigorous definitions of finite and nonexistent limits; derivatives of vector functions and parametrically defined functions; advanced techniques of integration and advanced applications of the definite integral; and sequences and series.
	02140	IB Mathematics: Analysis and Approaches	02S MAT	IB Mathematics: Analysis and Approaches courses prepare students to take the International Baccalaureate Mathematics: Analysis and Approaches exams. These courses prepare students to use analytical concepts within mathematics to solve abstract problems in a variety of contexts. These concepts are applied to course topics such as numbers and algebra, functions, geometry and trigonometry, statistics and probability, and calculus.
<b>Applied Mathematics</b>				
	02139	IB Mathematics: Applications and Interpretation	02S MAT	IB Mathematics: Applications and Interpretation courses prepare students to take the International Baccalaureate Mathematics: Applications and Interpretation exams. Intended to provide students with an understanding of the role of mathematics in an increasing technological world, these courses focus on mathematical concepts used as applications and in mathematical modeling. Course topics include numbers and algebra, functions, geometry and trigonometry, statistics and probability, and calculus.
	02151 **	General Applied Mathematics	02S MAT, 32A HI, 32A SPE, 32A VI	General Applied Mathematics courses reinforce general mathematics skills; extend these skills to include some pre-algebra and algebra topics; and use these skills in a variety of practical, consumer, business, and occupational applications. Course topics typically include rational numbers, measurement, basic statistics, ratio and proportion, basic geometry, formulas, and simple equations.
	02153	Technical Mathematics	02S MAT, 12S BUS, 12S BM	Technical Mathematics courses extend students' proficiency in mathematics, and often apply these skills to technical and/or industrial situations and problems. Technical Mathematics topics may include but are not limited to rational numbers; systems of measurements; tolerances; numerical languages; geometry; algebra; statistics; and using tables, graphs, charts, and other data displays. Technology is integrated as appropriate.
	02154	Business Mathematics	02S MAT, 12S BUS, 12S BM	Business Mathematics courses reinforce general mathematics skills, emphasize speed and accuracy in computations, and use these skills in a variety of business applications. Business Mathematics courses reinforce general mathematics topics (e.g., arithmetic, measurement, statistics, ratio and proportion, exponents, formulas, and simple equations) by applying these skills to business problems and situations. Applications might include wages, hourly rates, payroll deductions, sales, receipts, accounts payable and receivable, financial reports, discounts, and interest.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 02 - Mathematics

##### Applied Mathematics

	02155	Business Mathematics with Algebra	02S MAT, 12S BM, 12S BUS	Business Mathematics with Algebra courses teach and have students apply algebra concepts to a variety of business and financial situations. Applications usually include income, insurance, credit, banking, taxation, stocks and bonds, and finance.
	02156	Computer Mathematics with Algebra	02S MAT, 12S BUS, 12S BM	Intended for students who have attained the objectives of Algebra I, Computer Mathematics with Algebra courses include a study of computer systems and programming, and use the computer to solve mathematics problems.
	02157	Consumer Mathematics	02S MAT, 12S BUS, 12S BM, 32A HI, 32A SPE, 32A VI	Consumer Mathematics courses reinforce general mathematics topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.
	02159 **	Financial Algebra	02S MAT	Financial Algebra courses build conceptual understanding of algebraic and geometric representations of Financial Mathematics. These courses apply these skills to practical consumer scenarios, encompassing budgeting, taxation, credit, banking services, insurance, buying and selling, home and car ownership, personal income management, and investment. Through real-world applications, students gain a comprehensive understanding of mathematics as a tool for addressing consumer-related challenges and decision-making.

##### Probability and Statistics

	02201 **	Probability and Statistics	02S MAT	Probability and Statistics courses introduce the study of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics: discrete probability theory, odds and probabilities, probability trees, populations and samples, frequency tables, measures of central tendency, and presentation of data (including graphs). Course topics may also include normal distribution and measures of variability.
	02203 **	AP Statistics	02S MAT	Following the College Board's suggested curriculum designed to parallel college-level statistics courses, AP Statistics courses introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.
	02205	Statistics	02S MAT	Statistics courses involve the major concepts and methods used to collect, analyze, and draw conclusions from data. Topics typically include populations and samples, measures of central tendency and variability, hypothesis testing, presentation, and making statistical inferences.

##### General

	02997	MT Options Proficiency - Math		These will only be available for schools who offer MT Options programs not all schools
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Grade	Code	Course Name	Endorsements	Description
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#### 03 - Life and Physical Sciences

##### Earth Science

	03001 **	Earth Science	03S BF, 03S BIO, 03S EAR, 03S PHY, 32A HI, 32A SPE, 32A VI	Earth Science courses offer insight into the environment on earth and the earth's environment in space. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, these courses usually explore oceanography, geology, astronomy, meteorology, and geography.
	03002 **	Geology	03S BF, 03S BIO, 03S EAR, 03S PHY	Geology courses provide an in-depth study of the forces that formed and continue to affect the earth's surface. Earthquakes, volcanoes, and erosion are examples of topics that are presented.
	03003 **	Environmental Science	03S BF, 03S BIO, 03S CHE, 03S PHY	Environmental Science courses examine the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.
	03004 **	Astronomy	03S BF, 03S BIO, 03S EAR, 03S PHY	Astronomy courses offer students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. These courses usually introduce and use astronomical instruments and typically explore theories regarding the origin and evolution of the universe, space, and time.
	03005 **	Marine Science	03S BF, 03S BIO, 03S EAR, 03S PHY	Courses in Marine Science focus on the content, features, and possibilities of the earth's oceans. They explore marine organisms, conditions, and ecology and sometimes cover marine mining, farming, and exploration.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>03 - Life and Physical Sciences</b>				
<b>Earth Science</b>				
	03006 **	Meteorology	03S BF, 03S BIO, 03S EAR, 03S PHY	Meteorology courses examine the properties of the earth's atmosphere. Topics usually include atmospheric layering, changing pressures, winds, water vapor, air masses, fronts, temperature changes and weather forecasting.
	03008 **	Earth and Space Science	03S BF, 03S BIO, 03S EAR, 03S PHY	Earth and Space Science courses introduce students to the study of the earth from a local and global perspective. In these courses, students typically learn about time zones, latitude and longitude, atmosphere, weather, climate, matter, and energy transfer. Advanced topics often include the study of the use of remote sensing, computer visualization, and computer modeling to enable earth scientists to understand earth as a complex and changing planet.
	03013 **	CI Marine Science	03S BF, 03S BIO, 03S EAR	Cambridge International (CI) Marine Science courses prepare students to take the Cambridge Marine Science assessments and serve as an ideal subject combination for students who want to study Marine Biology or Environmental Science or follow a career in shipping, fisheries, tourism, or aquaculture. These courses teach students about observation and experimentation, the science of water, forming and shaping the ocean floor, organisms in the marine biome, and human influences. Students will develop practical skills, such as accurate and safe scientific practices, in addition to skills in data analysis and scientific communication.
<b>General</b>				
	03047	MT Options Proficiency - Science		These will only be available for schools who offer MT Options programs not all schools
<b>Biology</b>				
	03051 **	Biology	03S BF, 03S BIO, 03S CHE, 03S EAR, 03S ENV, 03S PHY, 32A HI, 32A SPE, 32A VI	Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.
	03052 **	Biology—Advanced Studies	03S BF, 03S BIO, 03S EAR, 03S PHY	Usually taken after a comprehensive initial study of biology, Biology—Advanced Studies courses cover biological systems in more detail. Topics that may be explored include cell organization, function, and reproduction; energy transformation; human anatomy and physiology; and the evolution and adaptation of organisms.
	03053 **	Anatomy and Physiology	03S BF, 03S BIO, 03S PHY, 14S HPB, 14S HPT	Usually taken after a comprehensive initial study of biology, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals.
	03054 **	Anatomy	03S BF, 03S BIO, 03S PHY, 14S HPB, 14S HPT	Anatomy courses present an in-depth study of the human body and biological system. Students study such topics as anatomical terminology, cells, and tissues and typically explore functional systems such as skeletal, muscular, circulatory, respiratory, digestive, reproductive, and nervous systems.
	03055 **	Physiology	03S BF, 03S BIO, 03S PHY, 14S HPB, 14S HPT	Physiology courses examine all major systems, tissues, and muscle groups in the human body to help students understand how these systems interact and their role in maintaining homeostasis. These courses may also cover such topics as cell structure and function, metabolism, and the human life cycle.
	03056 **	AP Biology	03S BF, 03S BIO, 03S EAR, 03S PHY, 03S CHE	Adhering to the curricula recommended by the College Board and designed to parallel collegelevel introductory biology courses, AP Biology courses stress basic facts and their synthesis into major biological concepts and themes. These courses cover three general areas: molecules and cells (including biological chemistry and energy transformation); genetics and evolution; and organisms and populations (i.e., taxonomy, plants, animals, and ecology). AP Biology courses include college-level laboratory experiments.
	03057 **	IB Biology	03S BF, 03S BIO, 03S EAR, 03S PHY	IB Biology courses prepare students to take the International Baccalaureate Biology exams. In keeping with the general aim of IB Experimental Sciences courses, IB Biology promotes understanding of the facts, principles, and concepts underlying the biological field; critical analysis, evaluation, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; developing technology skills in a scientific context; and an awareness of the impact of biology and scientific advances in biology upon both society and issues of ethical, environmental, economic, and cultural importance. Course content varies, but includes study of statistical analysis, cells, the chemistry of life, genetics, ecology and evolution, human health and physiology, nucleic acids, metabolism, plant biology, genetics, and animal physiology. Laboratory experimentation is an essential component of these courses.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>03 - Life and Physical Sciences</b>				
<b>Biology</b>				
	03058 **	Botany	03S BF, 03S BIO, 03S EAR, 03S PHY	Botany courses provide students with an understanding of plants, their life cycles, and their evolutionary relationships.
	03059	Genetics	03S BF, 03S BIO, 03S CHE, 03S EAR, 03S PHY	Genetics courses provide students with an understanding of general concepts concerning genes, heredity, and variation of organisms. Course topics typically include chromosomes, the structure of DNA and RNA molecules, and dominant and recessive inheritance and may also include lethal alleles, epistasis and hypostasis, and polygenic inheritance.
	03060 **	Microbiology	03S BF, 03S BIO, 03S EAR, 03S PHY, 03S CHE	Microbiology courses provide students with a general understanding of microbes, prokaryotic and eukaryotic cells, and the three domain systems. Additional topics covered may include bacterial control, cell structure, fungi, protozoa, viruses and immunity, microbial genetics, and metabolism.
	03061 **	Zoology	03S BF, 03S BIO, 03S EAR, 03S PHY	Zoology courses provide students with an understanding of animals, the niche they occupy in their environment or habitat, their life cycles, and their evolutionary relationships to other organisms. These courses should also help students develop an awareness and understanding of biotic communities.
	03062 **	Conceptual Biology	03S BF, 03S BIO, 03S EAR, 03S PHY, 03S CHE	These courses provide students with a basic understanding of living things. Topics covered may include ecology and environmental problems such as overpopulation and pollution as well as cells, types of organisms, evolutionary behavior, and inheritance.
	03063	Particular Topics in Biology	03S BF, 03S BIO, 03S CHE, 03S EAR, 03S PHY	Particular Topics in Biology courses concentrate on a particular subtopic within the field of biology (such as botany, zoology, genetics, and so on) that is not otherwise described within this classification system.
	03065	IB Sports, Exercise & Health Science	03S BF, 08S HEA, 08A HPE, 03S BIO, 33S DCHLTH, 33S DCHPE	IB Sports, Exercise, and Health Science courses prepare students to take the International Baccalaureate Sports, Exercise, and Health Science exam. These courses are designed to provide students with an understanding of the science of physical performance. Course topics may include exercise physiology and nutrition of the human body, biomechanics, and sports psychology and motor learning.
	03066	PLTW Principles of Biomedical Science	14S HPT, 14S HPB, 14S HPI	Following Project Lead the Way's suggested curriculum, PLTW Principles of Biomedical Science courses focus on a case study in which students investigate the cause of death of a fictional person. Students conduct research, in which they examine autopsy reports, review medical history, and study human physiology, biology, and medicine to diagnose and recommend treatments that could have been applied.
	03069	Nutrition Science	14S HPB, 14S HPI, 14S HPT	Nutrition Science courses focus on the examination of individual nutrients; their structure and function in the human body; nutrient composition of food; and selection of food to meet nutrient needs, maintain health and provide satisfaction. Topics covered include digestion, absorption, and metabolism of carbohydrates, lipids, and proteins; vitamins and minerals; physical activity; nutritional needs throughout the life cycle; and evaluation of nutritional claims.
	03070	PLTW Biomedical Innovation	14S HPB, 14S HPI, 14S HPT	Following Project Lead the Way's suggested curriculum, PLTW Biomedical Innovation courses help students apply their knowledge and skills to design innovative solutions related to biomedical challenges. These courses address topics ranging from public health and biomedical engineering to clinical medicine and physiology. These courses may also provide students with the opportunity to work with a mentor or advisor from a university, medical facility, or research institution. Students may design and complete an independent project as part of the course.
	03071 **	Life Science	03S BF, 03S BIO, 03S EAR, 03S PHY, 03S CHE	Life Science courses cover the basic principles of life and life processes. These topics may include cells, species, ecosystems, reproduction, genetics, or other topics consistent with state academic standards for life science.
<b>Chemistry</b>				
	03101 **	Chemistry	03S BF, 03S BIO, 03S CHE, 03S EAR, 03S ENV, 03S PHY	Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.
	03102 **	Chemistry—Advanced Studies	03S BF, 03S BIO, 03S CHE, 03S EAR	Usually taken after a comprehensive initial study of chemistry, Chemistry—Advanced Studies courses cover chemical properties and interactions in more detail. Advanced chemistry topics include organic chemistry, thermodynamics, electrochemistry, macromolecules, kinetic theory, and nuclear chemistry.
	03103 **	Organic Chemistry	03S BF, 03S BIO, 03S CHE, 03S EAR	Organic Chemistry courses involve the study of organic molecules and functional groups. Topics covered may include nomenclature, bonding molecular structure and reactivity, reaction mechanisms, and current spectroscopic techniques.
	03104 **	Physical Chemistry	03S BF, 03S BIO, 03S CHE, 03S EAR	Usually taken after completing a calculus course, Physical Chemistry courses cover chemical kinetics, quantum mechanics, molecular structure, molecular spectroscopy, and statistical mechanics.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>03 - Life and Physical Sciences</b>				
<b>Chemistry</b>				
	03105 **	Conceptual Chemistry	03S BF, 03S BIO, 03S CHE, 03S EAR	Conceptual Chemistry courses are practical, nonquantitative chemistry courses designed for students who desire an understanding of chemical concepts and applications.
	03106 **	AP Chemistry	03S BF, 03S BIO, 03S CHE, 03S EAR	Following the curricula recommended by the College Board, AP Chemistry courses usually follow high school chemistry and second-year algebra. Concepts covered may include the atomic and compound structure and properties; properties of substances and mixtures; chemical reactions; kinetics; thermodynamics and electrochemistry; acids and bases; thermochemistry; and equilibrium. For each concept, these courses emphasize the following science practices: describing, creating, analyzing, and interpreting models and representations; determining scientific questions and methods; solving problems using mathematical relationships; and developing scientific arguments. AP Chemistry courses include college-level laboratory investigations.
	03107 **	IB Chemistry	03S BF, 03S BIO, 03S CHE, 03S EAR	IB Chemistry courses prepare students to take the International Baccalaureate Chemistry exams. In keeping with the general aim of IB Experimental Sciences courses, IB Chemistry promotes understanding of the facts, patterns, and principles underlying the field of chemistry; critical analysis, evaluation, prediction, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; developing technology skills in a scientific context; and an awareness of the impact of chemistry and scientific advances in chemistry upon both society and issues of ethical, environmental, economic, and cultural importance. Course content varies, but includes the study of quantitative and organic chemistry; atomic structure, periodicity, bonding, energetics, kinetics, equilibrium, acids and bases, oxidations and reduction, and measurement and data processing. Laboratory experimentation is an essential part of these courses.
	03108	Particular Topics in Chemistry	03S BIO, 03S EAR, 03S PHY, 03S BF, 03S CHE	Particular Topics in Chemistry courses concentrate on a particular subtopic within the field of chemistry (such as chromatography and spectrometry) that is not otherwise described in this classification system.
<b>Physics</b>				
	03151 **	Physics	03S BF, 03S BIO, 03S CHE, 03S EAR, 03S ENV, 03S PHY	Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.
	03152 **	Physics—Advanced Studies	03S BF, 03S BIO, 03S EAR, 03S PHY	Usually taken after a comprehensive initial study of physics, Physics—Advanced Studies courses provide instruction in laws of conservation, thermodynamics, and kinetics; wave and particle phenomena; electromagnetic fields; and fluid dynamics.
	03157 **	IB Physics	03S BF, 03S BIO, 03S EAR, 03S PHY	IB Physics courses prepare students to take the International Baccalaureate Physics exams. In keeping with the general aim of IB Experimental Sciences courses, IB Physics promotes understanding of the facts, patterns, and principles underlying the field of physics; critical analysis, prediction, and application of scientific information and hypotheses; improved ability to communicate scientific ideas; developing technology skills in a scientific context; and an awareness of the impact of scientific advances in physics upon both society and issues of ethical, environmental, economic, and cultural importance. Course content varies, but includes the study of physical measurement; mechanics; thermal, atomic, and nuclear physics; oscillations and waves; electric currents; fields and forces; and energy, power, and climate change. Laboratory experimentation is essential; calculus may be used in some courses.
	03159 **	Physical Science	03S BF, 03S BIO, 03S CHE, 03S PHY	Physical Science courses involve study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.
	03161 **	Conceptual Physics	03S BF, 03S BIO, 03S EAR, 03S PHY	Conceptual Physics courses introduce students to the use of chemicals, characteristic properties of materials, and simple mechanics to better describe the world and nonliving matter. The courses emphasize precise measurements and descriptive analysis of experimental results. Topics covered may include energy and motion, electricity, magnetism, heat, the structure of matter, and how matter reacts to materials and forces.
	03162	Particular Topics in Physics	03S BF, 03S BIO, 03S CHE, 03S EAR, 03S PHY	Particular Topics in Physics courses concentrate on a particular subtopic within the field of physics (such as optics, thermodynamics, quantum physics, and so on) that is not otherwise described in this classification system.
	03163 **	AP Physics C: Electricity and Magnetism	03S BF, 03S BIO, 03S EAR, 03S PHY	Designed by the College Board to parallel college-level physics courses that serve as a partial foundation for science or engineering majors, AP Physics C: Electricity and Magnetism courses focus on electricity and magnetism, including topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. AP Physics C courses require the use of calculus to solve the problems posed.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>03 - Life and Physical Sciences</b>				
<b>Physics</b>				
	03164 **	AP Physics C: Mechanics	03S BF, 03S BIO, 03S EAR, 03S PHY	Designed by the College Board to parallel college-level physics courses that serve as a partial foundation for science or engineering majors, AP Physics C: Mechanics courses focus on classical mechanics, including topics in kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation. AP Physics C courses require the use of calculus to solve the problems posed.
	03165 **	AP Physics 1	03S BF, 03S BIO, 03S EAR, 03S PHY	Designed by the College Board to parallel first-semester college-level courses in algebra-based physics, AP Physics 1 courses focus on kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; and torque and rotational motion. These courses may also include college-level laboratory investigations.
	03166 **	AP Physics 2	03S BF, 03S BIO, 03S EAR, 03S PHY	Designed by the College Board to parallel second-semester college-level courses in algebra-based physics, AP Physics 2 courses cover fluid statics and dynamics; thermodynamics with kinetic theory, PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. These courses may also include college-level laboratory investigations.
<b>Integrated/Other</b>				
	03201 **	Integrated Science	03S BF, 03S BIO, 03S CHE, 03S EAR, 03S ENV, 03S PHY	The specific content of Integrated Science courses varies, but they draw upon the principles of several scientific specialties—earth science, physical science, biology, chemistry, and physics—and organize the material around thematic units. Common themes covered include systems, models, energy, patterns, change, and constancy. These courses use appropriate aspects from each specialty to investigate applications of the theme.
	03202 **	Unified Science	03S BF, 03S BIO, 03S CHE, 03S EAR, 03S ENV, 03S PHY	Unified Science courses combine more than one branch of science into a cohesive study or may integrate science with another discipline. General scientific concepts are explored, as are the principles underlying the scientific method and experimentation techniques.
	03203 **	Applied Biology/Chemistry	03S BF, 03S BIO, 03S CHE, 03S EAR	Applied Biology/Chemistry courses integrate biology and chemistry into a unified domain of study and present the resulting body of knowledge in the context of work, home, society, and the environment, emphasizing field and laboratory activities. Topics include natural resources, water, air and other gases, nutrition, disease and wellness, plant growth and reproduction, life processes, microorganisms, synthetic materials, waste and waste management, and the community of life.
	03206 **	IB Design Technology	03S BF, 03S BIO, 03S CHE, 03S EAR, 03S PHY	IB Design Technology courses prepare students to take the International Baccalaureate Design Technology exams. In keeping with the general aim of IB Experimental Sciences courses, IB Design Technology courses promote using critical-thinking and design skills to solve problems in a practical context. Practical/investigative work centers on the design process; product design, development, and innovation; green design; materials; and evaluation.
	03207 **	AP Environmental Science	03S BF, 03S BIO, 03S CHE, 03S EAR	AP Environmental Science courses are designed by the College Board to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, identify and analyze environmental problems (both natural and human made), evaluate the relative risks associated with the problems, and examine alternative solutions for resolving and/or preventing them. Topics covered include science as a process, ecological processes and energy conversions, earth as an interconnected system, the impact of humans on natural systems, cultural and societal contexts of environmental problems, and the development of practices that will ensure sustainable systems.
	03208 **	IB Environmental Systems and Societies	03S BF, 03S BIO, 03S CHE, 03S EAR	IB Environmental Systems courses prepare students to take the International Baccalaureate Environmental Systems exam by providing them with the knowledge, methods, and techniques to understand the nature and functioning of natural systems, the relationships that affect environmental equilibrium, and human impact on the biosphere. Topics also include ecosystem integrity and sustainability, students' own relationships to the environment, the nature of internationalism in resolving major environmental issues, biodiversity and conservation, water, land, atmosphere and climate change, natural resources, and human populations and urban systems. This is considered an interdisciplinary course and students may receive credit within two IB subject areas: sciences, and individuals and societies.
	03209 **	Aerospace	03S BF, 03S BIO, 03S CHE, 03S PHY, 03S EAR	Aerospace courses explore the connection between meteorology, astronomy, and flight across and around the earth as well as into outer space. In addition to principles of meteorology (e.g., atmosphere, pressures, winds and jet streams) and astronomical concepts (e.g., solar system, stars, and interplanetary bodies), course topics typically include the history of aviation, principles of aeronautical decision-making, airplane systems, aerodynamics, and flight theory.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>03 - Life and Physical Sciences</b>				
<b>Integrated/Other</b>				
	03210 **	Science, Technology and Society	03S BF, 03S BIO, 03S CHE, 03S EAR, 03S PHY	Science, Technology, and Society courses encourage students to explore and understand the ways in which science and technology shape culture, values, and institutions and how such factors, in turn, shape science and technology. Topics covered may include how science and technology enter society and how they change as a result of social processes.
	03212 **	Scientific Research and Design	03S BF, 03S BIO, 03S CHE, 03S EAR, 03S PHY	In Scientific Research and Design courses, students conceive of, design, and complete a project using scientific inquiry and experimentation methodologies. Emphasis is typically placed on safety issues, research protocols, controlling or manipulating variables, data analysis, and a coherent display of the project and its outcome(s).
	03998 **	Life and Physical Sciences—Workplace Experience	03S BF, 03S BIO, 03S CHE, 03S PHY, 23S WBL	Life and Physical Sciences—Workplace Experience courses provide work experience in a field related to life and/or physical science. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
Grade	Code	Course Name	Endorsements	Description
<b>014 - Health Care Sciences</b>				
<b>Health Sciences</b>				
	03067	PLTW Human Body Systems	14S HPT, 14S HPB, 08S HSI, 33S DCHLTH	Following Project Lead the Way's suggested curriculum, PLTW Human Body Systems courses are designed for students to assume the role of biomedical professionals to solve real-world medical cases and experience science in action. In these courses, students study the interactions of systems within the human body by building organs and tissues on a skeletal manikin and use data acquisition software to monitor bodily functions. Course content also includes the exploration of identity, power, movement, protection, and homeostasis.
	03068	PLTW Medical Interventions	14S HPT, 14S HPB, 08S HSI, 33S DCHLTH	Following Project Lead the Way's suggested curriculum, PLTW Medical Interventions courses focus on the health of a fictitious family that students must support by providing disease prevention, diagnosis, and treatments. In these courses, students study infections, human DNA code, cancer treatment, and organ failure. Course topics may also include immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.
	14251	Health Science	14S HPB, 14S HPT, 08S HSI, 33S DCHLTH	Health Science courses integrate chemistry, microbiology, chemical reactions, disease processes, growth and development, and genetics with anatomy and physiology of the body systems. Typically, these courses reinforce science, mathematics, communications, health, and social studies principles and relate them to health care.
	14252	Biotechnology	14S HPB, 14S HPT, 08S HSI, 33S DCHLTH	Biotechnology courses involve the study of the bioprocesses of organisms, cells, and/or their components and enable students to use this knowledge to produce or refine products, procedures, and techniques. Course topics typically include laboratory measurement, monitoring, and calculation; growth and reproduction; chemistry and biology of living systems; quantitative problem-solving; data acquisition and display; and ethics. Advanced topics may include elements of biochemistry, genetics, and protein purification techniques.
	14299	Health Sciences—Other	14S HPT, 14S HPB, 08S HSI, 33S DCHLTH	Other Health Sciences courses.
<b>Comprehensive</b>				
	14001	Exploration of Health Care Occupations	14S HPT, 14S HPB, 08S HSI, 33S HEIT, 33S DCCOU, 33S DCDA, 33S DCHLTH, 33S HECI	Exploration of Health Care Occupations courses expose students to the variety of opportunities available within the health care industry (e.g., such as nursing, therapy, dental care, administrative services, and lab technology). These courses provide experiences in several of these occupational clusters, along with information and knowledge related to the health care industry as a whole.
	14002	Health Care Occupations—Comprehensive	14S HPT, 14S HPB, 08S HSI, 33S HEIT, 33S HECI, 33S DCCOU, 33S DCDA, 33S DCHLTH	Health Care Occupations—Comprehensive courses provide students with an orientation to the health care industry and help refine their health care-related knowledge and skills. Topics covered usually include (but are not limited to) an overview of health care delivery; patient care, including assessment of vital signs, body mechanics, and diet; anatomy and physiology; identification and use of medical equipment and supplies; medical terminology; hygiene and disease prevention; first aid and CPR procedures; laboratory procedures; and ethical and legal responsibilities.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>014 - Health Care Sciences</b>				
<b>Therapeutic Services</b>				
	14051	Nursing	14S HPT, 08S HSI, 23S WBL	Nursing courses place a special emphasis on the particular knowledge and skills required of nurses and/or nursing assistants and aides while covering general health care topics (i.e., patient care, anatomy and physiology, medical terminology, hygiene and disease prevention, first aid and CPR, and laboratory procedures). Topics covered typically include normal growth and development; bathing, feeding, dressing, and transporting patients; basic pharmacology; doctor, nurse, and patient relationships and roles; medical and professional ethics; death and dying; and care of various kinds of patients (e.g., chronically ill, children, new mothers, and so on).
	14052	Nursing—LPN	14S HPT	Covering the same scope of topics as Nursing courses, Nursing—LPN courses delve into more depth in order to prepare students for the state’s practical nurse licensing examination. Nursing—LPN courses offer the knowledge and experience needed to provide nursing care for patients of all ages, in various stages of sickness or health, and with a variety of disease conditions. Additional topics covered may include community health, nutrition, drug therapy and administration, and mental illness.
	14053	Home Health Care	14S HPB, 14S HPT, 14S HPI	Home Health Care courses teach students how to care for individuals within their homes. Course content relates health care practices and procedures to the home environment, and typically includes patient care, comfort, and safety; anatomy and physiology; the prevention of disease and infection; nutrition and meal preparation; human relations; and first aid and CPR. Topics covered may also include therapy strategies, household management, and employability.
	14055	Emergency Medical Technology	14S HPT, 14S EMT, 08S HSI, 23S WBL	Emergency Medical Technology courses place a special emphasis on the knowledge and skills needed in medical emergencies. Topics typically include clearing airway obstructions, controlling bleeding, bandaging, methods for lifting and transporting injured persons, simple spinal immobilization, infection control, stabilizing fractures, and responding to cardiac arrest. The courses may also cover the legal and ethical responsibilities involved in dealing with medical emergencies.
	14056	Surgical Technology	14S HPB, 14S HPT	Surgical Technology courses emphasize the care and needs of patients undergoing surgery while covering general health care topics (i.e., patient care, anatomy and physiology, medical terminology, hygiene and disease prevention, first aid and CPR, and laboratory procedures). In keeping with that focus, topics may include operation room materials, tools, and procedures; aseptic surgical techniques; preparation and handling of surgical instruments; efficiency in the operating room; and the roles of various medical personnel who are present during surgery.
	14062	Sports Medicine	14S HPT, 08S HSI	Formerly known as Care of Athletes, Sports Medicine courses provide students with the knowledge and skills to understand and perform therapeutic tasks that would be designated by an athletic or fitness trainer. Topics covered may include taping and bandaging, proper use of protective padding, treatment modalities, anatomy and physiology, and medical terminology. Students may learn to measure cardiorespiratory endurance, muscular strength and endurance, flexibility, body composition, and blood pressure. More advanced topics may include injury assessment, the phases of healing, and the use of exercise and equipment to help in the reconditioning of injured athletes.
	14098	Therapeutic Services—Workplace Experience	14S HPT, 23S WBL, 14S EMT, 14S EMT	Therapeutic Services—Workplace Experience courses provide students with work experience in fields related to therapeutic services. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
	14099	Therapeutic Services—Other	14S HPT, 08S HSI, 33S DCCOU	Other Therapeutic Services courses.
	14105	Particular Topics in Diagnostic Services	14S HPB, 14S HPT	These courses examine particular topics in diagnostic services other than those already described elsewhere in this classification system.
<b>Health Information</b>				
	14102	Medical Lab Technology	14S HPB, 14S HPT	Medical Lab Technology courses provide students with the knowledge and skills necessary for employment in health care-related laboratories. Topics include basic principles of anatomy and physiology, relevant concepts in microbiology and chemistry, and laboratory techniques (including preparation and analysis of various cultures and specimens). The courses may also cover such components as venipuncture, EKG, and CPR procedures.
	14104	Phlebotomy	14S HPT, 14S HPB	In Phlebotomy courses, students acquire knowledge, skills, and experiences related to the drawing of blood and typically learn about such topics as infection control, sterilization practices, medical/hospital procedures and environments, diagnostic procedures, proper storage and handling of specimens, and the process of drawing blood.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 014 - Health Care Sciences

##### Health Information

	14152	Pharmacy Assisting	14S HPT, 08S HSI	Pharmacy Assisting courses emphasize the knowledge and skills necessary to assist a pharmacist or pharmacy technician. Course topics and experiences enable students to understand medical terminology, keep and maintain records, label medications, perform computer patient billing, perform stock inventory, and order supplies. These courses also emphasize pharmaceutical classification, drug interactions, and interpersonal/communication skills.
	14153	Medical Office Procedures	12S BUS, 12S BM, 08S HSI, 33S HECL, 33S HEIT	Medical Office Procedures courses expose students to clerical knowledge, abilities, and procedures as they apply to the medical field. These courses typically include (but are not limited to) topics such as medical transcription, medical insurance, financial accounting, scheduling, and patient record-keeping. Medical terminology and routine medical procedures are covered to provide a context for clerical duties.
	14154	Medical Terminology	14S HPI, 14S HPT, 14S HPB, 12S BUS, 12S BM, 08S HSI, 08S HSI, 33S HECL, 33S HEIT	In Medical Terminology courses, students learn how to identify medical terms by analyzing their components. These courses emphasize defining medical prefixes, root words, suffixes, and abbreviations. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions.

##### All Others

	14993	Health Care Sciences—School-based Enterprise	14S HPB, 14S HPT, 23S WBL, 14S EMT	Health Care Sciences—School-based Enterprise courses provide students the opportunity to learn about and manage an entrepreneurial operation related to health care sciences within a school setting. Students will develop interpersonal and professional skills. Topics may include operations, product services management, pricing, distribution, and marketing.
	14994	Health Care Sciences—Career Project-based Learning	14S HPB, 14S HPT, 23S WBL, 08S HSI, 14S EMT	Health Care Sciences—Career Project-based Learning courses provide students with an introduction to careers in the health care sciences field. Students will work in cooperation with local businesses, community organizations, or non-profit agencies to explore and solve real-world problems that could arise in the workplace. These courses occur in a classroom setting and typically do not include work in the field.
	14998	Health Care Sciences—Workplace Experience	14S HPB, 14S HPT, 23S WBL, 08S HSI, 14S EMT	Health Care Sciences—Workplace Experience courses provide students with work experience in the health care industry. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Grade	Code	Course Name	Endorsements	Description
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#### 04 - Social Sciences and History

##### Geography

	04001 **	World Geography	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 04S PSY, 04S SOC, 32A HI, 32A SPE, 32A VI	World Geography courses provide students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.
	04002	Particular Topics in Geography	04S BF, 04S GEO, 04S HIS	Particular Topics in Geography courses examine a particular topic in geography, such as physical or cultural geography, or the geography of a particular area or region, rather than provide an overview of the field.
	04003 **	IB Geography	04S BF, 04S GEO, 04S HIS, 04S POL	IB Geography courses prepare students to take the International Baccalaureate Geography exams. These courses integrate both physical and human geography and explore scientific and socio-economic methodologies and fieldwork. In general, IB Geography courses aim to help students understand the relationships within society, the relationships between society and the natural environment, and how those relationships change over time.
12	04004 **	AP Human Geography	04S BF, 04S GEO, 04S HIS, 04S POL	Following the College Board's suggested curriculum designed to parallel college-level Human Geography courses, AP Human Geography introduces students to the systematic study of patterns and processes that have shaped the ways in which humans understand, use, and alter the earth's surface. Students use spatial concepts and landscape analysis to examine human social organization and its environmental consequences and also learn about the methods and tools geographers use in their science and practice.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>04 - Social Sciences and History</b>				
<b>Geography</b>				
	04005 **	U.S. Geography	04S PSY, 04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 04S SOC, 32A HI, 32A SPE, 32A VI	U.S. Geography courses provide an overview of the geography of the United States. Topics typically include the physical environment, the political landscape, the relationship between people and the land, and economic production and development.
<b>World History</b>				
	04051 **	World History—Overview	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 04S PSY, 04S SOC, 32A HI, 32A SPE, 32A VI	World History—Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History—Overview courses may include geographical studies, but often these components are not as explicitly taught as geography.
	04052 **	World History and Geography	04S BF, 04S GEO, 04S HIS	In addition to covering the objectives of World History—Overview courses, World History and Geography courses provide an overview of world geography. These courses are often developed in response to increased national concern regarding the importance of geography, and they explore geographical concepts.
	04053 **	Modern World History	04S BF, 04S ECO, 04S GEO, 04S HIS	Modern World History courses provide an overview of the history of human society in the past few centuries—from the Renaissance period, or later, to the contemporary period—exploring political, economic, social, religious, military, scientific, and cultural developments.
	04054 **	IB History	04S BF, 04S ECO, 04S GEO, 04S HIS	IB History courses prepare students to take the International Baccalaureate History exams. In these courses, students study historical developments at national, regional, and international levels; critically reflect on their relationship to the present; and explore the nature of historical documentation and the methods used by historians. IB History courses may survey the history of Europe and the Islamic world or focus on 20th-century topics in an international context and may enable students to undertake individual study on a subject of interest in greater detail and depth.
	04055	Modern European History	04S BF, 04S ECO, 04S GEO, 04S HIS	Modern European History courses examine the development of political, social, and economic movements in Europe over the past few centuries (from the Renaissance period, or later, to the contemporary period) and usually include such topics as the rise of the modern nation state, scientific and industrial revolutions, the age of exploration and nationalism, imperialism, and world war.
	04056 **	AP European History	04S BF, 04S ECO, 04S GEO, 04S HIS	Following the College Board’s suggested curriculum designed to parallel college-level European History courses, AP European History courses examine European civilization in four chronological periods, from 1450 to the present, and also expose students to the factual narrative. In addition, these courses help students develop an understanding of some of the principal themes in modern European history and the abilities to analyze historical evidence and to express that understanding and analysis in writing.
	04058	Ancient Civilizations	04S BF, 04S ECO, 04S GEO, 04S HIS	Ancient Civilizations courses provide a survey of the evolution of society from the ancient Middle East through Greek and Roman civilizations. Typically, in these courses, students study the rise and fall of civilizations and empires, with an emphasis on the legacies they provide to successive societies.
	04061 **	World Area Studies	04S BF, 04S HIS, 04S GEO	World Area Studies courses examine the history, politics, economics, society, and/or culture of one or more regions of the world, such as Africa, Latin America, the former Soviet Union, Far East Asia, and the Middle East. These courses may focus primarily on the history of a particular region or may take an interdisciplinary approach to the contemporary issues affecting the region. Furthermore, these courses may emphasize one particular country (other than the United States), rather than emphasizing a region or continent.
	04062 **	World People Studies	04S BF, 04S ECO, 04S GEO, 04S HIS	World People Studies courses allow students to study various types of subgroups that have something in common such as religion, gender, or culture. Similar in style to World Area Studies, but focusing on a group of people rather than on a specific region, these courses examine a subgroup’s history, politics, economics, and/or culture.
	04063 **	Western Civilization	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL	Western Civilization courses apply an interdisciplinary approach to the study of western cultural traditions, frequently using a chronological framework. Course content typically includes a survey of the major developments in and contributors to art and architecture, literature, religion and philosophy, and culture. These courses may also cover intellectual and political movements.
	04064 **	Contemporary World Issues	04S BF, 04S HIS, 04S ECO, 04S POL	Contemporary World Issues courses enable students to study political, economic, and social issues facing the world. These courses may focus on current issues, examine selected issues throughout the 20th century, and look at historical causes or possible solutions.
	04065	Particular Topics in World History	04S BF, 04S ECO, 04S GEO, 04S HIS	These courses examine particular topics in world history other than those already described elsewhere in this classification system.

\*\* This course is considered a Core Course

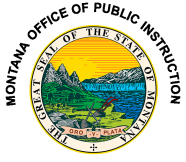


## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>04 - Social Sciences and History</b>				
<b>World History</b>				
	04067 **	AP World History: Modern	04S HIS, 04S BF, 04S ECO, 04S GEO	Following the College Board's suggested curriculum designed to parallel college-level World History courses, AP World History: Modern courses examine world history from 1200 CE to the present with the aim of helping students make connections of historical evolution across times and places. These courses highlight the interaction between humans and the environment; development and interaction of cultures; state-building, expansion and conflict; creation, expansion and interaction of economic systems; development and transformation of social structures; and technology and innovation.
	04068 **	CI Global Perspectives & Independent Research	04S BF, 04S HIS, 04S ECO, 04S GEO	Cambridge International (CI) Global Perspectives & Research courses prepare students to take the Cambridge Global Perspectives & Research assessments. These courses teach students to broaden their outlook on our rapidly changing world through critical analysis and reflection on significant global issues. Students will develop the high-demand skills of research, critical thinking and reasoning, and communication through the 'Critical Path' approach.
<b>General</b>				
	04097	MT Options Proficiency - Social Studies		These will only be available for schools who offer MT Options programs not all schools
<b>U.S. History</b>				
	04101 **	U.S. History—Comprehensive	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL	U.S. History—Comprehensive courses provide students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement.
	04102 **	Early U.S. History	04S BF, 04S ECO, 04S GEO, 04S HIS	Early U.S. History courses examine the history of the United States from the colonial period to the Civil War or Reconstruction era (some courses end after this period). Some courses include American history before European settlement, while others may begin at the formation of the new nation. These courses typically include a historical overview of political, military, scientific, and social developments.
	04103 **	Modern U.S. History	04S BF, 04S ECO, 04S GEO, 04S HIS	Modern U.S. History courses examine the history of the United States from the Civil War or Reconstruction era (some courses begin at a later period) through the present time. These courses typically include a historical review of political, military, scientific, and social developments.
	04104 **	AP U.S. History	04S BF, 04S ECO, 04S GEO, 04S HIS	Following the College Board's suggested curriculum designed to parallel college-level U.S. History courses, AP U.S. History courses provide students with the analytical skills and factual knowledge necessary to address critically problems and materials in U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past.
	04105 **	State-Specific Studies	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL	State-Specific Studies courses examine the history, politics, economics, society, and/or cultures of one state in the United States. This course may focus primarily on the history of that state or may take an interdisciplinary approach to the contemporary issues affecting it.
	04106 **	Contemporary U.S. Issues	04S BF, 04S HIS, 04S ECO, 04S POL	Contemporary U.S. Issues courses study the political, economic, and social issues facing the United States, with or without an emphasis on state and local issues. These courses may focus on current issues or may examine selected issues that span throughout the 20th century to the present.
	04107	U.S. Ethnic Studies	04S BF, 04S ECO, 04S GEO, 04S HIS	U.S. Ethnic Studies courses examine the history, politics, economics, society, and/or culture of one or more of the racial/ethnic groups in the United States. These courses may focus primarily on the history of an individual racial/ethnic group or may take a more comprehensive approach to studying the contemporary issues affecting racial/ethnic groups overall.
	04108 **	U.S. Gender Studies	04S BF, 04S ECO, 04S GEO, 04S HIS	U.S. Gender Studies courses examine the history, politics, economics, and/or culture of gender in U.S. society. These courses may focus primarily on gender relations or may take a more comprehensive approach to studying the contemporary issues related to gender.
	04109	Particular Topics in U.S. History	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL	These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular U.S. regions rather than provide an overview of the subject.
	04111 **	CI U.S. History	04S GEO, 04S HIS, 04S BF, 04S ECO	Cambridge International (CI) U.S. History courses prepare students to take the American history options of the Cambridge History assessments. These courses teach students the periods and themes in U.S. history as well as the significance and interpretations of cause and consequence, change and continuity, and similarity and difference in U.S. history. Students will learn both foundational and modern history of the U.S., historical sources, interpretations of U.S. historical issues, and methods used by historians.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>04 - Social Sciences and History</b>				
<b>U.S. History</b>				
	04112 **	AP African American Studies	04S BF, 04S HIS, 04S GEO, 04S ECO	Following the College Board's suggested curriculum designed to parallel college-level African American Studies courses, students in AP African American Studies courses use authentic and varied sources to explore diverse African American experiences. Students study topics that span early African kingdoms to the contemporary challenges and achievements of the African American communities in the U.S.
	04147	U.S. History—Independent Study	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL	U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills.
<b>Government, Politics, and Law</b>				
	04151 **	U.S. Government—Comprehensive	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL	U.S. Government—Comprehensive courses provide an overview of the structure and functions of the U.S. government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics.
	04152	Particular Topics in U.S. Government	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL	These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress, or the Office of the President.
	04153 **	Political Science	04S BF, 04S POL	Political Science courses approach the study of politics from a theoretical perspective, including an examination of the role of government and the nature of political behavior, political power, and political action.
	04154	Comparative Government	04S BF, 04S POL	Comparative Government courses study the basic tenets of government, searching for the differences and similarities among several forms of government. These courses take a comparative approach to the study of government and politics, focusing on how the United States compares with other nations.
	04155 **	International Relations	04S BF, 04S ECO, 04S GEO, 04S HIS	International Relations courses provide students with an introduction to the relationships that exist among nations, including an examination of the modern state; the foreign policies of nations; the dynamics of nationalism, ideology, and culture; and the role of international organizations. The courses may also emphasize contemporary events.
	04156 **	United States and World Affairs	04S BF, 04S ECO, 04S GEO, 04S HIS	United States and World Affairs courses provide a study of global interrelationships. Topics covered may include geographic, political, economic, and social issues of a particular country or region, with an emphasis on how these issues influence (or are influenced by) the way in which the United States relates to other countries in an interdependent world context.
	04157 **	AP U.S. Government and Politics	04S BF, 04S POL	Following the College Board's suggested curriculum designed to parallel college-level U.S. Government and Politics courses, these courses provide students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies and foundational documents. The courses generally cover foundations of American democracy, interaction among branches of government, political beliefs and behaviors, political participation, and civil rights and liberties.
	04158 **	AP Comparative Government and Politics	04S BF, 04S POL	Following the College Board's suggested curriculum designed to parallel college-level Comparative Government and Politics courses, these courses offer students an understanding of the world's diverse political structures and practices. The courses encompass the study of both specific countries and general concepts used to interpret the key political relationships found in virtually all national policies. Course content generally includes sources of public authority and political power, the relationship between states and society, the relationships between the political and institutional frameworks of citizens and states, political change, and comparative methods.
	04160	U.S. Government, Civics, and Economics	04S BF, 04S ECO, 04S POL	U.S. Government, Civics, and Economics courses combine a study of the structure of national, state, and local U.S. government with an overview of the principles of market economics. Course content may include contemporary U.S. issues. These courses prepare students to perform effectively as informed citizens.
	04161 **	Civics	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 32A HI, 32A SPE, 32A VI	Civics courses examine the general structure and functions of American systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system. These courses do not typically delve into the same degree of detail on constitutional principles or the role of political parties and interest groups as do comprehensive courses in U.S. Government.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>04 - Social Sciences and History</b>				
<b>Government, Politics, and Law</b>				
	04162 **	Law Studies	04S BF, 04S POL, 12S BUS, 04S ECO, 12S BM	Law Studies courses examine the history and philosophy of law as part of U.S. society and include the study of the major substantive areas of both criminal and civil law, such as constitutional rights, torts, contracts, property, criminal law, family law, and equity. Although these courses emphasize the study of law, they may also cover the workings of the legal system.
	04163 **	Consumer Law	04S BF, 04S POL, 12S BUS, 04S ECO, 12S BM	Consumer Law courses present a history and philosophy of law and the legal system in the United States, with a particular emphasis on those topics affecting students as consumers and young adults (such as contractual laws, laws pertaining to housing and marriage, and constitutional rights).
	04164 **	Business Law	12S BUS, 04S BF, 04S ECO, 12S BM, 33S BUED	Business Law courses present a history and philosophy of law and the legal system in the United States, with a particular emphasis on those topics affecting students as future business leaders and employees. Such topics may include contracts, commercial paper and debt instruments, property rights, employer/employee relationships, and constitutional rights and responsibilities.
	04165	Legal System	04S BF, 04S POL	Legal System courses examine the workings of the U.S. criminal and civil justice systems, including providing an understanding of civil and criminal law and the legal process, the structure and procedures of courts, and the role of various legal or judicial agencies. Although these courses emphasize the legal process, they may also cover the history and foundation of U.S. law (the Constitution, statutes, and precedents). Course content may also include contemporary problems in the criminal justice system.
	04169	IB Global Politics	04S BF, 04S POL	IB Global Politics prepare students to take the International Baccalaureate Global Politics exams through the exploration of political concepts and development of an understanding of local, national, international, and global dimensions of political activity. Topics may include rights and justice; peace and conflict; development and sustainability; and contemporary global political challenges.
<b>Economics</b>				
	04201 **	Economics	04S BF, 04S ECO, 12S BUS, 12S BM, 33S BUED	Economics courses provide students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. These courses may also cover topics such as principles of macroeconomics, international economics, and comparative economics. Economic principles may be presented in formal theoretical contexts, applied contexts, or both.
	04202 **	Comparative Economics	04S BF, 04S ECO, 12S BUS, 12S BM, 33S BUED	Comparative Economics courses offer students an opportunity to study different economies and economic systems, including an examination of various approaches to problems in micro- and macroeconomics.
	04203 **	AP Microeconomics	04S BF, 04S ECO, 12S BUS, 12S BM	Following the College Board's suggested curriculum designed to parallel college-level microeconomics, AP Microeconomics courses provide students with a thorough understanding of the principles of economics that apply to the functions of individual decision makers (both consumers and producers). They place primary emphasis on the nature and functions of product markets, while also including a study of factor markets and the role of government in the economy.
	04204 **	AP Macroeconomics	04S BF, 04S ECO, 12S BUS, 12S BM	Following the College Board's suggested curriculum designed to parallel college-level macroeconomics, AP Macroeconomics courses provide students with a thorough understanding of the principles of economics that apply to an economic system as a whole. They place particular emphasis on the study of national income and price determination and developing students' familiarity with economic performance measures, economic growth, and international economics.
	04206 **	IB Economics	04S BF, 04S ECO, 12S BUS, 12S BM	IB Economics courses prepare students to take the International Baccalaureate Economics exams. The courses provide students with the basic tools of economic reasoning and teach them to use those tools to explain or interpret economic problems. Course content includes international and development economics, microeconomics, and macroeconomics.
	04207	Particular Topics in Economics	04S BF, 04S ECO, 12S BM, 12S BUS	These courses examine a particular topic in Economics rather than provide a general overview of the field. Course topics may include international economics, economic development and growth of a particular country or region, or resource allocation.
	04208	Microeconomics	04S BF, 04S ECO, 12S BM, 12S BUS	Microeconomics courses provide students with an understanding of the principles of economics that apply to the decision-making behaviors of individuals. Economic principles may be presented in a formal theoretical context, applied contexts, or both.
	04209	Macroeconomics	04S BF, 04S ECO, 12S BM, 12S BUS	Macroeconomics courses provide students with an understanding of the principles of economics that apply to the performance, structure, behavior, and decision-making of an economy (regional, national, or global) as a whole. Economic principles may be presented in a formal theoretical context, applied contexts, or both.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>04 - Social Sciences and History</b>				
<b>Social Sciences</b>				
	04251	Anthropology	04S BF, 33S DCANT	Anthropology courses introduce students to the study of human evolution with regard to the origin, distribution, physical attributes, environment, and culture of human beings. These courses provide an overview of anthropology, including but not limited to both physical and cultural anthropology.
	04252	Particular Topics in Anthropology	04S BF, 33S DCANT	These courses examine a particular topic in anthropology, such as physical anthropology, cultural anthropology, or archeology, rather than provide a more comprehensive overview of the field.
	04253	IB Social and Cultural Anthropology	04S BF	IB Social and Cultural Anthropology courses prepare students to take the International Baccalaureate Social and Cultural Anthropology exams. The courses aim to promote students' awareness of underlying patterns and causes of social relationships and systems, preconceptions and assumptions within the social environment, and the use of ethnographic data in creating models, drawing inferences, and making comparisons.
	04254	Psychology	04S BF, 04S PSY, 14S HPT	Psychology courses introduce students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.
	04255	Particular Topics in Psychology	04S BF, 04S PSY	These courses examine a particular topic in psychology, such as human growth and development or personality, rather than provide a more comprehensive overview of the field.
	04256	AP Psychology	04S BF, 04S PSY	Following the College Board's suggested curriculum designed to parallel a college-level introductory psychology course, AP Psychology courses introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals, expose students to each major subfield within psychology, and enable students to examine the methods and ethics that psychologists use in their science and practice.
	04257	IB Psychology	04S BF, 04S PSY	IB Psychology courses prepare students to take the International Baccalaureate Psychology exams. Course content includes biological, cognitive, and socio-cultural influences on human behavior, as well as experimental research methodology. Course content may also include the study of abnormal, developmental, health or sport psychology, the psychology of human relationships, and qualitative research in psychology.
	04258	Sociology	04S BF, 04S SOC	Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.
	04259	Particular Topics in Sociology	04S BF, 04S SOC	These courses examine a particular topic in sociology, such as culture and society or the individual in society, rather than provide an overview of the field of sociology.
	04260	Social Science	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 04S PSY, 04S SOC	Social Science courses provide students with an introduction to the various disciplines in the social sciences, including anthropology, economics, geography, history, political science, psychology, and sociology. Typically, these courses emphasize the methodologies of the social sciences and the differences among the various disciplines.
<b>Humanities</b>				
	04301	Humanities Survey	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 04S PSY, 04S SOC	Humanities Survey courses provide an overview of major expressions of the cultural heritage of selected western and eastern civilizations. Content typically includes (but is not limited to) the examination of selected examples of art, music, literature, architecture, technology, philosophy, and religion of the cultures studied. These courses may also cover the languages and political institutions of these cultures.
	04302	Humanities	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 04S PSY, 04S SOC, 33S DCPHI	Humanities courses examine and evoke student responses to human creative efforts and the world in particular historical periods and in particular cultures. Course content includes exploration, analysis, synthesis, and various responses to cultural traditions, including viewing, listening, speaking, reading, writing, performing, and creating. The courses may also examine relationships among painting, sculpture, architecture, and music.
	04304	IB Theory of knowledge	04S BF, 01S ENG, 02S MAT, 03S BF, 03S BIO, 03S CHE, 03S ENV, 03S PHY, 04S ECO, 04S GEO, 04S HIS, 04S PSY, 04S POL, 03S EAR, 04S SOC	Obligatory for every International Baccalaureate degree candidate, IB Theory of knowledge courses aim to stimulate critical self-reflection of students' knowledge and experiences. Course content generates questions regarding the bases of knowledge and their verification in the disciplines of mathematics, natural sciences, human sciences, and history, with an awareness of moral, political, and aesthetic judgments and biases. Students learn to appreciate the strengths and limitations of various kinds of knowledge; to relate studied subjects to one another, general knowledge, and living experiences; to formulate rational arguments; and to evaluate the role of language in knowledge and as a way to convey knowledge.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>04 - Social Sciences and History</b>				
<b>Humanities</b>				
	04305 **	Social Studies	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 04S PSY, 04S SOC	Social Studies courses enable students to study a group of related subjects addressing the elements and structures of human society that may include economics, geography, history, citizenship, and other social studies-related disciplines.
	04306	Philosophy	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 04S PSY, 04S SOC, 33S DCPHI	Philosophy courses introduce students to the discipline of philosophy as a way to analyze the principles underlying conduct, thought, knowledge, and the nature of the universe. Course content typically includes examination of the major philosophers and their writings.
	04307	Particular Topics in Philosophy	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 04S PSY, 04S SOC, 33S DCPHI	These courses examine a particular topic in philosophy, such as aesthetic judgment, ethics, cosmology, or the philosophy of knowledge, rather than providing a more general overview of the subject.
	04309	IB Philosophy	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 04S PSY, 04S SOC	IB Philosophy courses prepare students to take the International Baccalaureate Philosophy exams. These courses challenge students to reflect upon and question the bases of knowledge and experience, to develop critical and systematic thinking, to carefully analyze and formulate rational arguments, and to appreciate the diversity of perspectives within philosophical thinking while examining their own perspectives and applying this knowledge to real-world situations and issues. Students closely examine conceptual themes and philosophical texts, and also undertake philosophical analysis of a non-philosophical stimulus, such as a painting or poem.
	04310	Particular Topics in Humanities	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S POL, 04S PSY, 04S SOC	These courses cover particular topics in humanities such as the interrelationships among painting, sculpture, architecture, and music or the exploration of a particular time period rather than provide a general overview of the subject.
	04311 **	CI Thinking Skills	04S BF, 04S ECO, 04S GEO, 04S HIS, 04S PSY, 04S SOC, 11S VIS, 12S BM, 12S BUS, 12S CIS, 12S MAR, 13S IM, 17S CAR, 17S DRF, 17S ELC, 18S AB, 18S LP, 18S AG, 18S AH, 18S AM, 18S PS, 20S ATB, 04S POL, 10S CC, 11S BRO, 11S GRA, 11S PHO, 11S VID, 13S ITE, 13S MCH, 13S MET, 13S WLD, 14S EMT, 14S HPB, 14S HPI, 14S HPT, 15S FDS, 17S BM, 17S BT, 20S ATT, 20S AV, 20S DM, 20S HEO, 20S SE, 21S ENG, 23S CA, 23S FCS, 23S TE, 10S CS, 11S TAS	Cambridge International (CI) Thinking Skills courses prepare students to take the Cambridge Thinking Skills assessments and develop skills essential for successful progression to higher education or professional employment. These courses develop students' abilities to analyze unfamiliar problems, devise problem solving strategies, and evaluate the diverse ways a problem may be solved through evidence-based arguments. Students will gain language skills in areas of problem solving, critical thinking, problem analysis and solution, and applied reasoning.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>05 - Fine and Performing Arts</b>				
<b>Dance</b>				
	05008	World/Cultural Dance	08A HPE, 08A PEd, 06Z ASB, 06Z BLA, 06Z CHE, 06Z CHI, 06Z CRE, 06Z CRO, 06Z DAK, 06Z GV, 06Z KOO, 06Z SAL, 33S DCHPE, 33S DCPE	World/Cultural Dance courses help students develop an understanding of authentic dances from other nations in the context of the people's history, culture, and customs. These courses may involve creating, performing, and responding to dances of other cultures and/or time periods.
	05012	IB Dance	08A HPE, 08A PEd, 33S DCHPE, 33S DCPE	"IB Dance courses prepare students to take the International Baccalaureate (IB) Dance assessments. IB Dance courses help students develop skills in the composition, performance, and analysis of dance. These courses also help students form an historical and global awareness of dance forms and styles."
<b>Drama</b>				
	05051	Introduction to the Theater	05S THR, 01S ENG, 01S SPE, 11S TAS	Introduction to the Theater courses provide an overview of the art, conventions, and history of the theater. Although the courses sometimes include experiential exercises, they emphasize learning about the theater rather than performance. Students learn about one or more of the following topics: basic techniques in acting, major developments in dramatic literature, major playwrights, the formation of theater as a cultural tradition, and critical appreciation of the art.
	05053	Theater—Comprehensive	01S ENG, 01S SPE, 05S THR, 11S TAS	Theater—Comprehensive courses help students experience and develop skill in one or more aspects of theatrical production. Introductory courses provide an overview of theatrical elements including acting, set design, stage management, directing, playwriting, and production. Advanced courses concentrate on extending and refining dramatic technique, expanding students' exposure to different types of theatrical styles, genres, and traditions, and increasing their participation in public productions.
	05055	Theater—Acting/Performance	01S ENG, 01S SPE, 05S THR, 11S TAS	Theater—Acting/Performance courses provide students with experience and skill development in one or more aspects of theatrical production, by concentrating on acting and performance skills. Introductory courses explore fundamental techniques, while advanced courses extend and refine technique, expand students' exposure to different types of theatrical craft and traditions from varied social and historical contexts, and increase their participation in public productions.
	05056	Theater—Stagecraft	01S ENG, 01S SPE, 05S THR, 11S TAS	Theater—Stagecraft courses provide students with an understanding of the various aspects of theatrical production, including lighting, costuming, sound, set construction, makeup, stage management, and the use of computer and media-based applications. These courses prepare students to engage in the hands-on application of these production elements in design and technology courses.
	05060	Musical Theater	05A MUS, 05S THR, 11S TAS	Musical Theater courses provide students with the opportunity to explore and/or participate in various aspects of musical theater, including auditioning, singing, acting, and dancing. These courses review the history and evolution of musical theatre, its literature and artists, and styles of composition and vocal presentation. Students work collaboratively on performances, including solo, duet, and ensemble work.
	05061	Theatrical Production and Management	11S TAS, 05S THR	Theatrical Production and Management courses prepare students to manage the planning, design, preparation, and production of plays and other theatrical performances. Course content may include instruction in theatrical design, program management, dramatic production, rehearsal management, personnel management and casting, actor coaching, directing concepts and techniques, dramaturgy, script interpretation, business management, marketing, public relations, and communications skills.
	05062	IB Theatre Arts	05S THR, 11S TAS	IB Theatre courses prepare students to take the International Baccalaureate (IB) Theatre exams. IB Theatre courses encourage students to examine the theory, history, and culture of theatre. These courses also help students develop the organizational and technical skills to express themselves through scripted performance, workshops, and independent project(s).
	05098	Theater—Workplace Experience	05S THR, 11S TAS	Theater—Workplace Experience courses provide work experience in a field related to drama and the theater. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Music</b>				
	05101	General Band	05A MUS	General Band courses develop students' technique for playing brass, woodwind, and percussion instruments and cover a variety of nonspecified band literature styles (concert, marching, orchestral, and modern styles).

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>05 - Fine and Performing Arts</b>				
<b>Music</b>				
	05102	Concert Band	05A MUS	Courses in Concert Band are designed to promote students' technique for playing brass, woodwind, and percussion instruments and cover a variety of band literature styles, primarily for concert performances.
	05103	Marching Band	05A MUS	Courses in Marching Band are intended to develop students' technique for playing brass, woodwind, and percussion instruments and cover appropriate band literature styles, primarily for marching performances.
	05104	Orchestra	05A MUS	Orchestra courses are designed to develop students' abilities to play brass, woodwind, percussion, and string instruments, covering a variety of string and orchestral literature styles.
	05105	Contemporary Instrumental Ensemble	05A MUS	Formerly known as Contemporary Band, Contemporary Instrumental Ensemble courses help students perform a variety of contemporary styles, such as traditional jazz, jazz improvisation, and rock. At the same time, these courses cultivate students' technique on instruments appropriate to the style(s) performed—brass, woodwind, string, percussion instruments, and/or electronic. These ensembles emphasize instrumental music but may also include vocal music. Advanced coursework provides students with opportunities for growth through rehearsal and performance, improvisation, or creating and performing their own compositions.
	05106	Small Ensemble	05A MUS	Formerly known as Instrumental Ensemble, Small Ensemble courses help students perform a variety of musical styles (e.g., traditional chamber music, jazz, and rock). At the same time, these courses help cultivate students' technique on instruments appropriate to the style(s) performed—brass, woodwind, string, percussion instruments, and/or electronic and provide experiences in creating and responding to music. Courses typically range in size from 2 to 20 performers.
	05107	Piano	05A MUS	Piano courses introduce students to the fundamentals of music and basic keyboard techniques such as scales, chords, and melodic lines. These courses may also include more advanced keyboard techniques.
	05108	Guitar	05A MUS	Guitar courses provide students an introduction to, and refine the fundamentals of, music and guitar literature and techniques, such as strumming and chords and may offer instruction in more advanced techniques. These courses may include bass, ukulele and other plucked string instruments. Formal and informal performances are typically included as well as experiences in creating and responding to music.
	05109	Individual Technique—Instrumental Music	05A MUS	Individual Technique—Instrumental Music courses provide individuals with instruction in instrumental techniques. These courses may be conducted on either an individual or small group basis.
	05110	Chorus	05A MUS	Chorus courses provide the opportunity to sing a variety of choral literature styles for men's and/or women's voices and are designed to develop vocal techniques and the ability to sing parts.
	05111	Vocal Ensembles	05A MUS	Vocal Ensemble courses are intended to develop vocal techniques and the ability to sing parts in small ensemble or madrigal groups. Course goals may include the development of solo singing ability and may emphasize one or several ensemble literature styles.
	05112	Individual Technique—Vocal Music	05A MUS	Individual Technique—Vocal Music courses provide instruction in and encourage the development of vocal techniques (including aural development) other than the ability to sing in groups. These courses may be conducted on either an individual or small group basis.
	05113	Music Theory	05A MUS	Music Theory courses provide students with an understanding of the fundamentals of music and include one or more of the following topics: composition, arrangement, analysis, aural development, and sight reading.
	05114	AP Music Theory	05A MUS	AP Music Theory courses are designed to be the equivalent of a first-year music theory college course as specified by the College Board. AP Music Theory develops students' understanding of musical structure and compositional procedures. Usually intended for students who already possess performance-level skills, AP Music Theory courses extend and build upon students' knowledge of intervals, scales, chords, metric/rhythmic patterns, and the ways they interact in a composition. Musical notation, analysis, composition, and aural skills are important components of the course.
	05115	IB Music	05A MUS	IB Music courses prepare students to take the International Baccalaureate Music exams. IB Music courses develop students' knowledge and understanding of music through study of musical perception, including study of musical elements, form and structure, notations, musical terminology and context. These courses include exploration of music from different places, cultures, and time periods. They also involve training in at least one of the following: creating, solo performing, and group performing.
	05117	Music History	05A MUS	Similar in nature to Music History/Appreciation courses, Music History courses focus specifically on the history of music.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>05 - Fine and Performing Arts</b>				
<b>Music</b>				
	05118	Music Appreciation	05A MUS	Similar in nature to Music History/Appreciation courses, Music Appreciation courses focus specifically on students' appreciation of music. They are designed to help students explore the world of music and to develop an understanding of the importance of music in their lives.
	05119	Composition/Songwriting	05A MUS	Composition/Songwriting courses prepare students to express themselves through creating music. These courses may use conventional or nonconventional notation and may include harmonization in addition to melody writing. Along with musical instruments, students may also use computers for creating music.
	05121	Contemporary Vocal Ensemble	05A MUS	Contemporary Vocal Ensemble courses help students develop vocal techniques while focusing primarily on contemporary stage literature styles, such as traditional jazz, jazz improvisation, and rock. These courses may also focus on gospel, show choir, or barbershop choral group dynamics. The ensembles provide performance opportunities and include experiences in creating and responding to music.
	05122	Culturally Influenced Ensemble	06Z ASB, 06Z BLA, 06Z CHE, 06Z CHI, 06Z CRE, 06Z CRO, 06Z DAK, 06Z GV, 06Z KOO, 06Z SAL, 05A MUS	Culturally Influenced Ensemble courses help students perform a variety of cultural music styles, such as Mariachi band, steel drum band, Indian gamelan, or African drumming ensembles. At the same time, these courses help students develop techniques on instruments appropriate to the style(s) performed—brass, woodwind, string, percussion instruments, and/or electronic and provide experiences in creating and responding to music. Courses emphasize instrumental music but may also include vocal music. Advanced coursework provides students with opportunities for growth through rehearsal and performance, improvisation, or creating and performing their own compositions.
	05123	Recording and Production	05A MUS	Recording and Production courses provide students with an opportunity to learn and apply skills in music recording techniques, music editing, mixing, and creating finished musical recordings for distribution as sound files in order to enhance, convey, and capture the expressive intent of music.
	05124	Technology/Electronic Music	05A MUS	Technology/Electronic Music courses emphasize current technology as a means to create, record, mix, and otherwise interact with music and music media. These courses focus on experimenting with electronic music technology as part of the process for creating music.
	05148	Music—Workplace Experience	05A MUS, 23S WBL	Music—Workplace Experience courses provide students with work experience in a field related to music. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Visual Arts</b>				
	05151 **	Art Appreciation	05A ART, 33S Art	Art Appreciation courses introduce students to the many forms of art and help them form an aesthetic framework through which they can judge and critique art of various ages and cultures. These courses also explore the place and significance of art in our society.
	05152 **	Art History	05A ART, 33S Art	Art History courses introduce students to significant works of art, artists, and artistic movements that have shaped the art world and have influenced or reflected periods of history. These courses often emphasize the evolution of art forms, techniques, symbols, and themes.
	05153 **	AP Art History	05A ART	Designed to parallel college-level Art History courses, AP Art History courses provide the opportunity for students to critically examine and respond to works of art within their historical and cultural contexts. In covering the art and movements of several centuries (not necessarily in chronological order), students learn to identify different styles, techniques, media and influences. Students formulate and articulate their reactions to various kinds of artwork to understand and appreciate themselves, others, and the world around them.
	05154 **	Visual Arts—Comprehensive	05A ART, 33S Art	Visual Arts—Comprehensive courses enable students to explore one or several art forms (e.g., drawing, painting, two- and three-dimensional design, and sculpture) and to create individual works of art. Initial courses emphasize observations, interpretation of the visual environment, visual communication, imagination, and symbolism. Courses cover the language, materials, media, and processes of a particular art form and the design elements used. Advanced courses encourage students to refine their skills while also developing their own artistic styles following and breaking from traditional conventions. Courses may also include the study of major artists, art movements, and styles.
	05155 **	Visual Arts—Drawing/Painting	05A ART, 33S Art	Visual Arts—Drawing/Painting courses focus on the inter-relationships that occur between drawing and painting using a variety of media and techniques, emphasizing observation and interpretation of the visual environment. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Advanced courses may encourage students to refine their creative process and develop their own artistic styles following and breaking from traditional conventions.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>05 - Fine and Performing Arts</b>				
<b>Visual Arts</b>				
	05156 **	Visual Arts—Drawing	05A ART, 33S Art	Visual Arts—Drawing courses provide a foundation in drawing using a variety of techniques and media (such as pen-and-ink, pencil, chalk, and so on) in both black and white and color, emphasizing observation and interpretation of the visual environment, life drawing, and imaginative drawing. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Advanced courses may encourage students to refine their creative processes and develop their own artistic styles following and breaking from traditional conventions.
	05157 **	Visual Arts—Painting	05A ART, 33S Art	Visual Arts—Painting courses provide a foundation in painting using a variety of techniques and media (such as watercolor, tempera, oils, acrylics), emphasizing observation and interpretation of the visual environment, life drawing, and imaginative painting. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Advanced courses may encourage students to refine their creative processes and develop their own artistic styles following and breaking from traditional conventions.
	05158 **	Visual Arts—Sculpture	05A ART, 33S Art	Visual Arts—Sculpture courses promote creative expression through three-dimensional works. These courses explore representational and abstract sculpture through subtractive (carving), additive (modeling), and assemblage techniques in one or more media. Visual Arts—Sculpture courses typically include the production of representational and abstract sculptures while incorporating elements of art and principles of design, along with a study of historical and contemporary sculpture and sculptors from a worldwide perspective. These courses also provide instruction in the process of responding to art through analysis, critique, and interpretation for the purpose of reflecting on and refining work.
	05159 **	Ceramics/Pottery	05A ART	Ceramics/Pottery courses cover the same topics as Creative Art—Comprehensive courses, but focus on creating three-dimensional works out of clay and ceramic material. Particular attention is paid to the characteristics of the raw materials, their transformation under heat, and the various methods used to create and finish objects.
	05160	Printmaking/Graphics	05A ART	Printmaking/Graphics courses cover the same topics as Creative Art—Comprehensive courses, but focus on design principles, printmaking, and graphic design.
	05161	Printmaking	05A ART	Printmaking courses introduce students to a variety of printmaking techniques using processes such as relief printing (monoprint, collograph block); intaglio (etching and engraving); and perigraphy (silkscreen films, stencils, block-out). These courses emphasize design elements and principles and introduce art criticism as applied to fine art prints. Lessons may also include the historical development of printmaking in Western and non-Western cultures.
	05162	Visual Communications Design	05A ART, 11S GRA, 12S BUS, 12S MAR, 12S BM	Formerly known as Graphic Design, Visual Communications Design courses emphasize applying fundamental processes of artistic expression through the exploration of the purposeful arrangement of images, symbols, and text to communicate a message. These courses may include investigations of how technology influences the creation of graphic and digital designs and study historical and contemporary visual communications design. These courses also provide instruction in the process of responding to their own art and that of others including master designers through analysis, critique, and interpretation for the purpose of reflecting on and refining work.
	05163	Advertising Design	05A ART, 12S BUS, 11S GRA, 12S MAR, 12S BM	Advertising Design courses relate and apply creative expression and design principles to the field of advertising and commercial art. The courses offer practical experiences in generating original ideas, executing layouts, and preparing artwork for reproduction. Advertising Design courses may also provide a historical and contemporary view of art as students learn to critique work.
	05164	Fibers and Textile Design	05A ART, 23S FCS	Formerly known as Textiles, Fibers and Textile Design courses emphasize applying the fundamental processes of artistic expression in creating textiles and fiber works using fiber and fiber-related media, techniques, and processes. These courses may help students understand the suitability of design to materials and the artist's intent in creating textile works of art. Students may create their own work following and breaking from traditional conventions. They may also include the study of the history of fiber and textile art from a worldwide perspective. Students respond to their art and that of others including professional fiber artists through analysis, critique, and interpretation for the purpose of reflecting on and refining work.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>05 - Fine and Performing Arts</b>				
<b>Visual Arts</b>				
	05165	Crafts	05A ART, 06Z ASB, 06Z BLA, 06Z CHE, 06Z CHI, 06Z CRE, 06Z CRO, 06Z DAK, 06Z GV, 06Z KOO, 06Z SAL	Crafts courses help students apply fundamental processes of artistic expression to the materials and accompanying aesthetics of crafts. Students may explore types of folk art and the materials and ways in which objects have been created for practical, religious, spiritual, and cultural needs of people around the world. These courses may survey a wide range of crafts or may focus on only one type of craft; some possibilities include calligraphy, quilting, silk-screening, cake-decorating, tole-painting, mask-making, knitting, crocheting, paper-making, and so on. These courses may also explore aesthetic issues surrounding folk art and artists and engage in critiques of this authentic art form.
	05166	Jewelry	05A ART	Jewelry courses apply art and design principles to the creation of jewelry. Typically, students explore using various media, such as ceramic, papier-mache, glass, plastic, copper-enameled, brass, and silver. Course topics include exposure to jewelry of diverse world cultures and the history of jewelry design. Some Jewelry courses may concentrate on metalwork processes such as brazing, soldering, casting, welding, riveting, and finishing as they relate to the creation of jewelry.
	05167	Photography	05A ART, 11S PHO	Photography courses expose students to the materials, processes, and artistic techniques of taking artistic photographs. Students learn about the operation of a camera, composition, lighting techniques, depth of field, filters, camera angles, and film development. The course may cover black-and-white photography, color photography, or both. As students advance, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic style. These courses may also cover major photographers, art movements, and styles.
	05169	Multimedia Art	05A ART, 11S GRA, 11S VID	Formerly known as Computer-Assisted Art, Multimedia Art courses emphasize applying the fundamental processes of artistic expression for the purpose of creating multimedia productions that explore contemporary social, cultural, and political issues. These courses include the history and development of multiple forms of media including a combination of text, audio, still images, animation, video, and interactive content. These courses provide students with the opportunity to develop foundational skills and knowledge while they also become more adept in cinema, video, digital live production, and electronic time-based media. Students engage in critique of their multimedia work, that of others, and the multimedia video, digital, and live production work of artists for the purpose of reflecting on and refining work for presentation.
	05170 **	Art Portfolio	05A ART	Art Portfolio courses offer students the opportunity to create a professional body of work that reflects their personal style and talent. Students are often encouraged to display their work publicly.
	05172 **	AP Drawing	05A ART	AP Drawing is designed for students with a professional or academic interest in the art of drawing. These courses focus on a variety of concepts and approaches in drawing, enabling students to demonstrate a depth of knowledge of the processes, and a range of abilities, and versatility with media, technique, problem solving, and scope. They can demonstrate such conceptual variety through either the use of one or the use of several media. These courses enable students to refine their skills and create artistic works to submit via portfolio to the College Board for evaluation.
	05173 **	IB Visual Arts	05A ART	IB Visual Arts courses prepare students to take the International Baccalaureate (IB) Visual Arts exams. IB Visual Arts courses provide experiences that develop students' aesthetic and creative faculties, provide experiences in various visual art forms, offer training in awareness and criticism of art, and enable students to create their own quality works of art. Students perform both studio and research work; the research component is designed to investigate particular topics or concepts of interest in further detail. These courses were formerly known as IB Art/Design.
	05174 **	AP 2-D Art and Design	05A ART	AP 2-D Art and Design courses are designed for students with a professional or academic interest in two-dimensional art. These courses focus on a variety of concepts and approaches in drawing and 2-D design, enabling students to demonstrate a range of abilities and versatility with media, technique, problem solving, and scope. Such conceptual variety can be demonstrated through the use of one or several media. Students refine their skills and create artistic works to submit via a portfolio to the College Board for evaluation.
	05175 **	AP 3-D Art and Design	05A ART	AP 3-D Art and Design courses are designed for students with a professional or academic interest in three-dimensional art. These courses focus on a variety of concepts and approaches in 3-D design and creation, enabling students to demonstrate a range of abilities and versatility with media, technique, problem solving, and scope. They can demonstrate such conceptual variety through the use of one or several media. Students refine their skills and create artistic works to submit via portfolio to the College Board for evaluation.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>05 - Fine and Performing Arts</b>				
<b>All Others</b>				
	05190	Fashion Design	23S FCS, 23S TEX	Fashion Design courses emphasize applying the fundamental processes of artistic expression in creating and merchandising apparel. Drawing the figure is a foundation of these courses. Students identify the relationships between design, clothing and expression of self through fashion statements. Courses may also include a study of historical and contemporary fashion design from a worldwide perspective. Students engage in critique of their designs, the designs of others, and those of professional fashion designers for the purpose of reflecting on and refining work for presentation.
	05193	Interior Design	23S FCS	Interior Design courses emphasize applying the fundamental processes of artistic expression to design an interior living or working space. Students analyze and apply a variety of media, techniques, and processes in their interior design work. Courses may also include an understanding of aesthetic issues associated with interior design. Students study the art or process of designing the interior of a room or building and focus on enhancing the interiors of a space to achieve a healthy and more aesthetically pleasing environment. Students will study interior designs from historical, contemporary, and world cultures. Students engage in critique of their interior designs, the designs of others, and designs by professional interior designers for the purpose of reflecting on and refining work for presentation.
	05194	IB Film	05A ART, 33S Art, 11S VID, 11S VIS	"IB Film courses prepare students to take the International Baccalaureate Film exams. IB Film courses develop students' understanding and appreciation of the craft of film through the construction and deconstruction of film text. Course content includes textual analysis of film sequences, film theory and history, and the creative process of producing films." "
	05298	Media Arts—Workplace Experience	05A ART, 12S BUS, 11S GRA, 23S WBL	Media Arts—Workplace Experience courses provide students with work experience in a field related to media arts. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
	05998	Visual and Performing Art—Workplace Experience	05A ART, 05A MUS, 23S WBL	Formerly Fine and Performing Art—Workplace Experience, Visual and Performing Art—Workplace Experience courses provide students with work experience in a field related to the fine and performing arts. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Grade	Code	Course Name	Endorsements	Description
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### 08 - Physical, Health, and Safety Education

#### Physical Education

	08001	Physical Education	08A PEd, 08A HPE, 33S DCHPE, 33S DCPE	Physical Education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.
	08002	Team Sports	33S DCHPE, 33S DCPE, 08A HPE, 08A PEd	Team Sports courses provide to students the knowledge, experience, and opportunity to develop skills in more than one team sport (such as volleyball, basketball, soccer, and so on).
	08003	Individual/Dual Sports	08A HPE, 08A PEd, 33S DCHPE, 33S DCPE	Individual/Dual Sports courses provide students with knowledge, experience, and an opportunity to develop skills in more than one individual or dual sport (such as tennis, golf, badminton, jogging/running, racquetball, and so on).
	08005	Fitness/Conditioning Activities	08A PEd, 08A HPE, 33S DCHPE, 33S DCPE	Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness.
	08007	Adapted Physical Education	32A SPE, 08A PEd, 08A HPE	These courses provide physical education activities (sports, fitness, and conditioning) adapted for students with special needs.
	08009	Weight Training		Weight Training courses help students develop knowledge and skills with free weights and universal stations while emphasizing safety and proper body positioning; they may include other components such as anatomy and conditioning.
	08011	Tennis	08A PEd, 08A HPE, 33S DCHPE, 33S DCPE	Tennis courses help students develop knowledge, skills, and abilities related to the sport of singles or doubles tennis, including shots (such as serves, forehand strokes, backhand strokes, and lobs), scoring, and strategy.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 08 - Physical, Health, and Safety Education

##### Physical Education

	08013 **	Specific Sports Activities	08A HPE, 08A PEd, 08S HEA, 33S DCHPE, 33S DCPE	Specific Sports Activities courses help students develop knowledge, experience, and skills in a single sport or activity (such as basketball, volleyball, football, baseball, hockey, wrestling, soccer, track and field, and equestrian events) other than those coded within this section. (Dance is included under the Fine and Performing Arts subject area.)
	08016 **	Lifetime Fitness Education	08A HPE, 08S HEA, 08A PEd, 33S DCHPE, 33S DCPE	Lifetime Fitness Education courses emphasize acquiring knowledge and skills regarding lifetime physical fitness; content may include related topics such as nutrition, stress management, and consumer issues. Students may develop and implement a personal fitness plan.
	08017	Sports Physiology	08A HPE, 08A PEd, 08S HEA, 33S DCHPE, 33S DCHLTH, 33S DCPE	Courses in Sports Physiology examine human anatomy and physiology as they pertain to human movement and physical performance in sports activities. These courses may also emphasize the prevention and treatment of athletic injuries.
	08018	Coaching	08A HPE, 08A PEd, 33S DCHPE, 33S DCPE	Coaching courses emphasize the responsibilities, duties, and problems in training and instructing athletes and athletic teams. Course topics typically include principles of behavior, teaching, physical and mental training, and team management. Different coaching philosophies, outcomes, and styles may also be covered.
	08019	Officiating	08A PEd, 08A HPE, 33S DCHPE, 33S DCPE	Officiating courses provide students with the knowledge, skills, and abilities to serve as a referee, umpire, judge, or other official for a sports contest, emphasizing rule interpretation and the proper mechanics of officiating.

##### Health Education

	08051	Health Education	08A HEA, 08S HEA, 08A HPE, 33S DCHLTH, 33S DCHPE	Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources.
	08052	Health and Fitness	08A HPE, 08S HEA, 33S DCHPE, 33S DCHLTH	Health and Fitness courses combine the topics of Health Education courses (nutrition, stress management, substance abuse prevention, disease prevention, first aid, and so on) with an active fitness component (typically including aerobic activity and fitness circuits) with the intention of conveying the importance of life-long wellness habits.
	08055	Safety and First Aid	08A HEA, 08S HEA, 08A HPE, 33S DCHLTH, 33S DCHPE	Safety and First Aid courses provide specialized instruction in first aid techniques, cardiopulmonary resuscitation (CPR), relief of obstructed airways, and general safety procedures and behaviors. These courses may include such topics as an overview of community agencies and hotlines providing emergency care and information and opportunities for first aid and CPR certification.
	08056	Health for Parenting Teens	08A HEA, 08S HEA, 08A HPE, 23S FCS, 33S DCHLTH, 33S DCHPE	Designed for pregnant teens and/or parents, topics within Health for Parenting Teens courses cover a wide range of both health and parenting issues, typically including prenatal and postnatal care, health and well-being of young parents, child development, stress management, and parental/adult roles. The courses may also involve academic assistance, career exploration, financial management, and so on.
	08057	Health and Life Management	08A HEA, 08S HEA, 23S FCS, 08A HPE, 33S DCHLTH, 33S DCHPE	Health and Life Management courses focus as much on consumer education topics (such as money management and evaluation of consumer information and advertising) as on personal health topics (such as nutrition, stress management, drug/alcohol abuse prevention, disease prevention, and first aid). Course objectives include helping students develop decision-making, communication, interpersonal, and coping skills and strategies.
	08058	Substance Abuse Prevention	08A HEA, 08S HEA, 08A HPE, 33S DCHLTH, 33S DCHPE	Substance Abuse Prevention courses focus specifically on the health risks of drugs, alcohol and tobacco. These courses provide information on the negative consequences of these products and teach students coping strategies to resist the influences (such as peers and media images) that may entice them to use these substances. Students may also explore the community resources available to them.

##### Drivers' Education

	08151	Drivers' Education—Classroom Only	31A TRE	Drivers' Education—Classroom Only courses provide students with the knowledge to become safe drivers on America's roadways. Topics in these courses include legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs).
	08152	Drivers' Education—Classroom and Laboratory	31A TRE	Drivers' Education—Classroom and Laboratory courses provide students with the knowledge and experience to become safe drivers on America's roadways. Topics in these courses cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of these courses.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>09 - Military Science</b>				
<b>General</b>				
	09001	Introduction to Jr. ROTC	09S ROT	Introduction to Junior Reserve Officer Training Corps (ROTC) courses introduce students to the purposes and objectives of the Reserve Officer Training Corps program, which seeks to educate high school students in citizenship, promote community service, and instill responsibility. As part of that introduction, course topics typically include a brief history of the military branches in the United States and the basics of military drill, ceremony, and rank structure.
	09002	Military Jr. ROTC—unspecified branch	09S ROT	Although individual course sequences may vary, the primary objectives of Military Junior Reserve Officer Training Corps (ROTC) courses are to provide students with instruction in the history, organization, role, objectives, and achievements of a particular branch of the U.S. Armed Forces; help them develop personal fitness, strong character, and leadership qualities; and expose them to the career opportunities provided by the U.S. Armed Services. These courses typically cover such topics as military customs, courtesies, rank, drill, and ceremonies and also emphasize citizenship and scholarship. The course content typically includes subjects related to the particular branch being studied (such as map-reading, nautical skills, aerospace technology, or communication technologies), as well as more general subjects (international law, national defense, celestial navigation, and geopolitical strategy).
	09003	ROTC Drill	09S ROT, 23S WBL	Reserve Officer Training Corps (ROTC) Drill courses provide students with an additional opportunity to improve their skills in military precision. These courses emphasize marching style and formations, firearm manipulation, body coordination and mechanics, and performing as a member of an orchestrated team. Class members typically participate in ceremonies and competitions.
	09004	Military Leadership	09S ROT, 23S WBL	Military Leadership courses focus solely on increasing students' leadership skills, particularly as they relate to military operations, customs, and hierarchies. These courses are typically a regular part of the ROTC programs described below (typically the final course within a program series); this Military Leadership course code and title should be used when those descriptions do not apply. The principles and skills taught in these courses include supervision, motivation, evaluation, and setting an example, and their application typically include military drill and inspections, athletic events, and other school activities.
	09151	Air Force Junior ROTC I	09S ROT	Air Force Junior Reserve Officer Training Corps (ROTC) I courses include both aerospace studies and leadership/life skills education. In these courses, leadership/life skills lessons cover the heritage and development of the Air Force, including its structure, operations, customs, and courtesies. Aerospace topics include the development, history, and impact of flight; aircraft and spacecraft; and the environment in which these crafts operate.
	09152	Air Force Junior ROTC II	09S ROT	Air Force Junior Reserve Officer Training Corps (ROTC) II courses include both aerospace studies and leadership/life skills education. In these courses, leadership/life skills lessons cover intercommunication skills, drill, and military ceremonies. Aerospace topics emphasize the science of flight, including factors of aerospace power, aircraft flight, and navigation.
	09153	Air Force Junior ROTC III	09S ROT	Air Force Junior Reserve Officer Training Corps (ROTC) III courses include both aerospace studies and leadership/life skills education. These courses continue to develop students' life and leadership skills and the ways in which they apply to military life. Aerospace topics emphasize space technology and exploration; examine national defense systems; and advance students' knowledge of aviation, propulsion, and navigation.
	09154	Air Force Junior ROTC IV	09S ROT	Air Force Junior Reserve Officer Training Corps (ROTC) IV courses include both aerospace studies and leadership/life skills education. The life skills education portion of these courses concentrates on leadership and management principles and career opportunities, and aerospace topics include advanced aerodynamics and aeronautics. Course content may also cover elements of national power and relationships between the nations of the world.
	09998	Military Science—Workplace Experience	09S ROT, 23S WBL	Military Science—Workplace Experience courses provide students with work experience within the field of military science and are supported by classroom attendance and discussion. In these courses, goals are set for the employment period, and classroom experience may involve further study in the field, improvement of employability skills, or discussion regarding the experiences and problems that students encounter on the job.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>010 - Computer and Information Sciences</b>				
<b>Computer Literacy</b>				
	10001	Introduction to Computer Technology	12S BUS, 12S CIS, 12S BM, 10S CS, 33S CIS, 33SDCCL, 33S BUIT, 10S NCS	Formerly known as Introduction to Computers, Introduction to Computer Technology courses introduce students to computers, including peripheral and mobile devices; the functions and uses of computer technology; the language used in the industry; possible applications of various computer-based technologies; and occupations related to computer technology hardware and software industries. These courses typically explore legal and ethical issues associated with computer technology use, as well as how changes influence modern society. Students may also be required to perform some computer technology operations.
	10002	Computing Systems	12S BUS, 12S CIS, 13S ITE, 12S BM, 10S CS, 33S CYSNS, 33S CIS, 33SDCCL, 33S BUIT, 10S NCS, 10S NCS	Computing Systems courses offer a broad exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer-assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications.
	10003	Computer and Information Technology	12S BUS, 12S CIS, 12S BM, 10S CS, 33S CIS, 33S CYSNS, 33SDCCL, 33S BUIT, 10S NCS	Computer and Information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer technology and use.
	10004	Computer Applications	12S BUS, 12S CIS, 12S BM, 10S CS, 33S CIS, 33SDCCL, 33S BUIT, 10S NCS	In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing.
	10005	Business Computer Applications	12S BUS, 12S CIS, 12S BM, 10S CS, 33S CIS, 33S DCBUS, 33SDCCL, 33S BUIT	In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and telecommunications.
	10006	Telecommunications	12S BUS, 12S CIS, 12S BM, 10S CS, 33S CIS, 33S DCBUS, 33SDCCL, 33S BUIT	Telecommunications courses address the growth in global communications and the emerging equipment and systems needed to successfully communicate in a global environment. These courses cover such topics as data communication protocol and systems, government regulations of the communications industry, and the use of cost-effective and productive tools to transmit messages and data. In these courses, students may learn about such communication systems as e-mail, internet or ecommerce, LAN, WAN, voice transmission, cell phone technology, and traditional teleconferencing.
	10007	IB Digital Society	12S BUS, 12S CIS, 10S CS	IB Digital Society courses prepare students to take the International Baccalaureate Digital Society exams and examine the interaction among digital systems, technology, and society. Course content uses inquiry processes to integrate concepts, content, and contexts around the impact of digital systems. In these courses, students also discuss and evaluate how digital systems affect individuals, relationships among people, and institutions and societies. This course was formerly called IB Information Technology in a Global Society.
	10021	Computer Science Discoveries	12S BUS, 12S CIS, 10S CS, 33S CIS, 33S CYSNS, 10S NCS	Computer Science Discoveries is a highly interactive and collaborative introduction to the field of computer science. The course takes a wide lens on computer science by covering topics such as problem solving, programming, physical computing, user centered design, and data. Students build their own websites, apps, animations, games, and physical computing systems. Students create and share their own content to meet various design challenges, as well as implement computational solutions to problems that impact their communities. Along the way, they practice design, testing, and iteration, as they come to see that failure and debugging are an expected and valuable part of the programming process.
<b>Computer Science/Programming</b>				
	10019	AP Computer Science Principles	12S BUS, 10S CC, 12S CIS, 10S CS, 10S NCS	Following the College Board's suggested curriculum designed to parallel college-level computer science principles courses, AP Computer Science Principles courses introduce students to the fundamental ideas of computer science and how to apply computational thinking across multiple disciplines. These courses teach students to apply creative designs and innovative solutions when developing computational artifacts. These courses cover such topics as abstraction, communication of information using data, algorithms, programming, the Internet, and global impact.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>010 - Computer and Information Sciences</b>				
<b>Computer Science/Programming</b>				
	10020	Cybersecurity	12S BUS, 12S CIS, 10S CS, 33S CYSNS, 33S CIS, 10S NCS	Cybersecurity courses introduce students to the concepts of cybersecurity. These courses provide students with the knowledge and skills to assess cyber risks to computers, networks, and software programs. Students will learn how to create solutions to mitigate cybersecurity risks. These courses may also cover the legal environment and ethical computing behavior related to cybersecurity.
	10023	AP CK Cyber: Networking	10S NCS, 10S CS, 12S BUS, 12S CIS	Following the College Board's suggested curriculum designed to parallel college-level networking courses, AP Career Kickstart (CK) Cyber: Networking courses combine essential networking concepts with practical problem-solving activities. The courses develop students' understanding of network hardware and configuration, the use of protocols for reliable and accurate data transmission between hosts, and security practices that protect data transmission within and between computer networks.
	10024	AP CK Cyber: Security	10S NCS, 12S BUS, 10S CS, 12S CIS	Following the College Board's suggested curriculum designed to parallel college-level networking courses, AP Career Kickstart (CK) Cyber: Security courses develop cybersecurity skills and focus on identifying vulnerabilities, assessing risks, and recommending security measures. Topics include detecting malicious activities on devices and networks, checking digital records for issues, and practicing skills in different security areas like physical spaces, networks, devices, and data. These courses also cover new cybersecurity trends and the effects of new technology on security.
	10048	Computer Literacy—Workplace Experience	12S CIS, 23S WBL, 10S CS, 10S NCS, 12S BUS	Computer Literacy—Workplace Experience courses provide work experience in fields related to computer literacy. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
	10151	Business Programming	12S BUS, 12S CIS, 10S CC, 10S CS, 33S CIS	Business Programming courses provide students with experience in using previously written software packages as well as designing and writing programs of their own. The word-processing, spreadsheet, graphics, and database exercises in these courses contain a business industry focus, and the original programs are written in languages typical of this industry (Visual Basic (VB), C++, Java, BASIC, COBOL, and/or RPL).
	10152	Computer Programming	02S MAT, 12S BUS, 12S CIS, 10S CC, 10S CS, 33S CIS	Computer Programming courses provide students with the knowledge and skills necessary to construct computer programs in one or more languages. Computer coding and program structure are often introduced with block-based languages, but other text-based languages may be used. Students learn to structure, create, document, and debug computer programs. Advanced courses may include instruction in object-oriented programming to help students develop applications for Windows, database, multimedia, games, mobile and/or web environments. An emphasis is placed on design, style, clarity, and efficiency. In these courses, students apply the skills they learn to relevant authentic applications.
	10153	Visual Basic (VB) Programming	02S MAT, 12S BUS, 12S CIS, 10S CC, 10S CS, 33S CIS	Visual Basic (VB) Programming courses provide an opportunity for students to gain expertise in computer programs using the Visual Basic (VB) language. As with more general computer programming courses, the emphasis is on how to structure and document computer programs and how to use problem-solving techniques. These courses cover such topics as the use of text boxes, scroll bars, menus, buttons, and Windows applications. More advanced topics may include mathematical and business functions and graphics.
	10154	C++ Programming	12S BUS, 12S CIS, 10S CC, 10S CS, 33S CIS	C++ Programming courses provide an opportunity for students to gain expertise in computer programs using the C++ language. As with more general computer programming courses, the emphasis is on how to write logically structured programs, include appropriate documentation, and use problemsolving techniques. More advanced topics may include multi-dimensional arrays, functions, and records.
	10155	Java Programming	12S BUS, 12S CIS, 10S CC, 10S CS, 33S CIS	Java Programming courses provide students with the opportunity to gain expertise in computer programs using the Java language. As with more general computer programming courses, the emphasis is on how to structure and document computer programs, using problem-solving techniques. Topics covered in the course include syntax, I/O classes, string manipulation, and recursion.
	10156	Computer Programming—Other Language	12S BUS, 12S CIS, 10S CC, 10S CS, 33S CIS	Computer Programming—Other Language courses provide students with the opportunity to gain expertise in computer programs using languages other than those specified (such as Pascal, FORTRAN, or emerging languages). As with other computer programming courses, the emphasis is on how to structure and document computer programs, using problem-solving techniques. As students advance, they learn to capitalize on the features and strengths of the language being used.
	10157	AP Computer Science A	12S BUS, 12S CIS, 10S CC, 10S CS	Following the College Board's suggested curriculum designed to mirror college-level computer science courses, AP Computer Science A courses provide students with the logical, mathematical, and problem-solving skills needed to design structured, well-documented computer programs that provide solutions to real-world problems. These courses cover such topics as programming methodology, features, and procedures; algorithms; data structures; computer systems; and programmer responsibilities.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>010 - Computer and Information Sciences</b>				
<b>Computer Science/Programming</b>				
	10159	IB Computer Science	12S BUS, 12S CIS, 10S CC, 10S CS	IB Computer Science courses prepare students to take the International Baccalaureate Computer Science exams. The courses emphasize system fundamentals, computer organization, and networks, as well as the fundamental concepts of computational thinking, the development of practical computational solutions, and programming. IB Computer Science courses also cover the applications and effects of the computer on modern society as well as the limitations of computer technology.
<b>Management Information Systems</b>				
	10051	Information Management	12S BUS, 12S CIS, 12S BM, 10S CS, 33S CIS, 10S NCS	Information Management courses provide students with the knowledge and skills to develop and implement a plan for an information system that meets the needs of business. Students develop an understanding of information system theory, skills in administering and managing information systems, and the ability to analyze and design information systems.
	10052	Database Management and Data Warehousing	12S BUS, 12S CIS, 12S BM, 10S CS, 33S CIS, 33S CYSNS, 10S NCS	Database Management and Data Warehousing courses provide students with the skills necessary to design databases to meet user needs. Courses typically address how to enter, retrieve, and manipulate data into useful information. More advanced topics may cover implementing interactive applications for common transactions and the utility of mining data.
	10053	Database Applications	12S BUS, 12S CIS, 12S BM, 10S CS, 33S CIS, 33S CYSNS, 10S NCS	Database Application courses provide students with an understanding of database development, modeling, design, and normalization. These courses typically cover such topics as SELECT statements, data definition, manipulation, control languages, records, and tables. In these courses, students may use Oracle WebDB, SQL, PL/SQL, SPSS, and SAS and may prepare for certification.
	10054	Data Systems/Processing	12S BUS, 12S CIS, 12S BM, 10S CS, 33S CIS, 33S CYSNS, 10S NCS	Data Systems/Processing courses introduce students to the uses and operation of computer hardware and software and to the programming languages used in business applications. Students typically use BASIC, COBOL, and/or RPL languages as they write flowcharts or computer programs and may also learn data-processing skills.
<b>Network Systems</b>				
	10101	Network Technology	12S BUS, 12S CIS, 10S CS, 33S CIS, 33S CYSNS, 10S NCS	Network Technology courses address the technology involved in the transmission of data between and among computers through data lines, telephone lines, or other transmission media (such as hard wiring, cable television networks, radio waves, and so on). These courses may emphasize the capabilities of networks, network technology itself, or both. Students typically learn about network capabilities—including electronic mail, public networks, and electronic bulletin boards—and network technology—including network software, hardware, and peripherals involved in setting up and maintaining a computer network.
	10102	Networking Systems	12S BUS, 12S CIS, 10S CS, 33S CIS, 33S CYSNS, 10S NCS	Networking Systems courses are designed to provide students with the opportunity to understand and work with hubs, switches, and routers. Students develop an understanding of LAN (local area network), WAN (wide area network), wireless connectivity, and Internet-based communications with a strong emphasis on network function, design, and installation practices. Students acquire skills in the design, installation, maintenance, and management of network systems that may help them obtain network certification.
	10103	Area Network Design and Protocols	12S BUS, 12S CIS, 10S CS, 33S CIS, 33S CYSNS, 10S NCS	Area Network Design and Protocols courses address the role of computers in a network system, the Open Systems Interconnection (OSI) model, structured wiring systems, and simple LAN (local area network) and WAN (wide area network) designs.
	10104	Router Basics	12S BUS, 12S CIS, 10S CS, 33S CIS, 33S CYSNS, 10S NCS	Router Basics courses teach students about router components, start-up, and configuration using CISCO routers, switches, and the IOS (Internetwork Operation System). These courses also cover such topics as TCP/IP protocol, IP addressing, subnet masks, and network trouble-shooting.
	10105	NetWare Routing	12S BUS, 12S CIS, 10S CS, 33S CIS, 33S CYSNS, 10S NCS	NetWare Routing courses introduce students to such topics as Virtual LANs (VLAN) and switched internetworking, comparing traditional shared local area network (LAN) configurations with switched LAN configurations, and they also discuss the benefits of using a switched VLAN architecture. These courses also may cover routing protocols like RIP, IGRP, Novell IPX, and Access Control Lists (ACLs).
	10106	Wide Area Telecommunications and Networking	12S BUS, 12S CIS, 10S CS, 33S CIS, 33S CYSNS, 10S NCS	Wide Area Telecommunications and Networking courses provide students with the knowledge and skills to enable them to design Wide Area Networks (WANs) using ISDN, Frame-Relay, and PPP. Students gain knowledge and skills in network management and maintenance and develop expertise in trouble-shooting and assessing the adequacy of network configuration to meet changing conditions.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>010 - Computer and Information Sciences</b>				
<b>Network Systems</b>				
	10107	Wireless Networks	12S BUS, 12S CIS, 10S CS, 33S CIS, 33S CYSNS, 10S NCS	Wireless Networks courses focus on the design, planning, implementation, operation, and troubleshooting of wireless computer networks. These courses typically include a comprehensive overview of best practices in technology, security, and design, with particular emphasis on hands-on skills in (1) wireless LAN set-up and trouble-shooting; (2) 802.11a & 802.11b technologies, products, and solutions; (3) site surveys; (4) resilient WLAN design, installation, and configuration; (5) vendor interoperability strategies; and (6) wireless bridging.
	10108	Network Security	12S BUS, 12S CIS, 10S CS, 33S CIS, 33S CYSNS, 10S NCS	Network Security courses teach students how to design and implement security measures in order to reduce the risk of data vulnerability and loss. Course content usually includes typical security policies; firewall design, installation, and management; secure router design, configuration, and maintenance; and security-specific technologies, products, and solutions.
	10109	Essentials of Network Operating Systems	12S BUS, 12S CIS, 10S CS, 33S CIS, 33S CYSNS, 10S NCS	Essentials of Network Operating Systems courses provide a study of multi-user, multi-tasking network operating systems. In these courses, students learn the characteristics of the Linux, Windows 2000, NT, and XP network operating systems and explore a variety of topics including installation procedures, security issues, back-up procedures, and remote access.
	10110	Microsoft Certified Professional (MCP)	12S BUS, 12S CIS, 10S CS, 33S CIS	Microsoft Certified Professional courses provide students with the knowledge and skills necessary to be employed as a network administrator in the latest Windows server-networking environment. Topics include installing, configuring, and trouble-shooting the Windows server. These courses prepare students to set up network connections; manage security issues and shares; and develop policies. Students are typically encouraged to take the MCP exam.
<b>Media Technology</b>				
	10201	Web Page Design	12S BUS, 12S CIS, 12S BM, 10S CS, 33S CIS	Web Page Design courses teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals.
	10202	Computer Graphics	11S GRA, 12S BUS, 12S CIS, 13S ITE, 12S BM, 10S CS, 33S CIS	Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching.
<b>Information Support and Services</b>				
	10251	Computer Technology	12S BUS, 12S CIS, 10S CS, 33S CIS, 10S NCS	Computer Technology courses introduce students to the features, functions, and design of computer hardware and provide instruction in the maintenance and repair of computer components and peripheral devices.
	10252	Computer Maintenance	12S BUS, 12S CIS, 10S CS, 33S CIS, 33S CYSNS, 10S NCS	Computer Maintenance courses prepare students to apply basic electronic theory and principles in diagnosing and repairing personal computers and input/output devices. Topics may include operating, installing, maintaining, and repairing computers, network systems, digital control instruments, programmable controllers, and related robotics.
	10253	Information Support and Services	12S BUS, 12S CIS, 10S CS, 33S CIS, 33S CYSNS, 10S NCS	Information Support and Services courses prepare students to assist users of personal computers by diagnosing their problems in using application software packages and maintaining security requirements.
	10254	IT Essentials: PC Hardware and Software	12S BUS, 12S CIS, 10S CS, 33S CIS, 33S CYSNS, 10S NCS	IT Essentials: PC Hardware and Software courses provide students with in-depth exposure to computer hardware and operating systems. Course topics include the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Students learn to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. In addition, these courses introduce students to networking and often prepare them for industry certification.
	10255	CISCO—The Panduit Network Infrastructure Essentials (PNIE)	12S BUS, 12S CIS, 10S CS, 33S CIS, 10S NCS	CISCO—PNIE courses provide students with the knowledge to create innovative network infrastructure solutions. These courses offer students basic cable installer information and help them acquire the skills to build and use the physical layer of network infrastructure and develop a deeper understanding of networking devices.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>010 - Computer and Information Sciences</b>				
<b>All Others</b>				
	10993	Information Technology—School-based Enterprise	10S CS, 12S BUS, 12S BM, 12S CIS, 23S WBL, 10S CC, 10S NCS	Information Technology—School-based Enterprise courses provide students the opportunity to learn about and manage an entrepreneurial operation related to information technology within a school setting. Students will develop interpersonal and professional skills. Topics may include operations, product services management, pricing, distribution, and marketing.
	10994	Information Technology—Career Project-based Learning	10S CC, 10S CS, 12S BUS, 12S BM, 12S CIS, 23S WBL, 10S NCS	Information Technology—Career Project-based Learning courses provide students with an introduction to careers in the information technology field. Students will work in cooperation with local businesses, community organizations, or non-profit agencies to explore and solve real-world problems that could arise in the workplace. These courses occur in a classroom setting and typically do not include work in the field.
	10998	Information Technology—Workplace Experience	12S BUS, 12S CIS, 12S BM, 10S CS, 23S WBL, 10S NCS	Formerly Computer and Information Sciences —Workplace Experience, Information Technology—Workplace Experience courses provide students with work experience in fields related to computer and/or information sciences. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
	10999	Information Technology—In School Work-Based Learning	12S BM, 12S BUS, 12S CIS, 10S NCS, 23S WBL, 10S CS	In School Work-Based Learning could include Service Learning, Cooperative Work-Based Learning/Internship, School-Based Enterprises, and Supported Employment.
Grade	Code	Course Name	Endorsements	Description

### 011 - Communications and Audio/Visual Technology

#### Communication

	11001	Introduction to Communication	05A ART, 12S BUS, 12S MAR, 12S CIS, 12S BM, 10S CS, 33S CMM, 33S DCBUS	Introduction to Communication courses enable students to understand and critically evaluate the role of media in society. Course content typically includes investigation of visual images, printed material, and audio segments as tools of information, entertainment, and propaganda; improvement of presentation and evaluative skills in relation to mass media; recognition of various techniques for delivery of a particular message; and, in some cases, creation of a media product. The course may concentrate on a particular medium.
	11002	Communication Technology	05A ART, 12S BUS, 12S MAR, 12S CIS, 12S BM, 10S CS, 33S CMM, 33S DCBUS	Communication Technology courses enable students to effectively communicate ideas and information through experiences dealing with drafting, design, electronic communication, graphic arts, printing process, photography, telecommunications, and computers. Additional topics covered in the course include information storage and retrieval. Drafting equipment may be used to make scale drawings, including multi-view drawing, photographs, and poster mock-ups.
	11048	Communication—Workplace Experience	05A ART, 12S BUS, 12S MAR, 12S CIS, 12S BM, 10S CS, 23S WBL	Communication—Workplace Experience courses provide students with work experience in a field related to communication. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

#### Audio and Video Technology and Film

	11051	Audio/Visual Production	01S ENG, 05A ART, 11S VID, 11S VIS, 12S BUS, 12S CIS, 13S ITE, 10S CS	Audio/Visual Production courses provide students with the knowledge and skills necessary for television, video, film, and/or radio production. Writing scripts, camera operation, use of graphics and other visuals, lighting, audio techniques, editing, production principles, and career opportunities are typical topics covered within production courses. Students are usually required to produce their own program or segment. Additional topics such as broadcast industry regulations, radio/TV operation, power of the medium, photography, transmission technology, and so on may be included.
	11054	Photo Imaging	05A ART, 11S PHO, 12S BUS, 12S CIS, 13S ITE, 10S CS	Photo Imaging courses provide students with the opportunity to effectively communicate ideas and information via digital, film, still and video photography. Topics covered typically include composition, layout, lighting and supplies. More advanced courses may include instruction in specialized camera and equipment maintenance, application to commercial and industrial need and photography business operations.
	11055	Video	05A ART, 11S VID, 11S VIS, 12S BUS, 12S CIS, 13S ITE, 10S CS	Video courses enable students to explore video communications, incorporating both the technical and artistic aspects of video media. Topics covered in the course include the use of video equipment and techniques, and students typically create a video presentation. Advanced course topics may include creating various forms of film media including silent film; sport and music video; and self portrait video.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>011 - Communications and Audio/Visual Technology</b>				
<b>Audio and Video Technology and Film</b>				
	11098	Audio/Video Technology and Film—Workplace Experience	05A ART, 11S VID, 11S VIS, 12S BUS, 12S CIS, 13S ITE, 10S CS, 23S WBL	Audio/Video Technology and Film—Workplace Experience courses provide students with work experience in a field related to audio/visual technology and/or film. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Journalism and Broadcasting</b>				
	11101	Journalism	01S ENG, 01S JOU, 12S BM, 33S DCBUS, 33S CMM	Journalism courses (typically associated with the production of a school newspaper, yearbook, or literary magazine) emphasize writing style and technique as well as production values and organization. Journalism courses introduce students to the concepts of newsworthiness and press responsibility; develop students' skills in writing and editing stories, headlines, and captions; and teach students the principles of production design, layout, and printing. Photography and photojournalism skills may be included.
	11102	Photojournalism	01S JOU, 05A ART, 12S CIS, 12S BM, 01S ENG, 33S CMM	Photojournalism courses expose students to the manner in which photography is used to convey information and experiences. Typically coordinated with production of the school newspaper, yearbook, or other media product, photojournalism courses provide students with the opportunity to improve their photo composition and film development skills, and to apply their art to journalistic endeavors.
	11104	Publication Production	01S ENG, 01S JOU, 05A ART, 12S BUS, 12S CIS, 12S BM, 10S CS, 33S CMM	Publication Production courses provide students with the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or other printed publication. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication.
	11148	Journalism and Broadcasting—Workplace Experience	01S JOU, 05A ART, 12S BUS, 12S CIS, 12S BM, 10S CS, 23S WBL	Journalism and Broadcasting—Workplace Experience courses provide students with work experience in a field related to journalism or broadcasting. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Printing Technology and Production</b>				
	11151	Digital Media Technology	01S JOU, 12S BUS, 12S MAR, 12S CIS, 12S BM, 11S VID, 10S CS, 33S CMM	These courses are designed to give students the skills necessary to support and enhance their learning about digital media technology. Topics covered in the course may include internet research, copyright laws, web-publishing, use of digital imagery, electronic forums, newsgroups, mailing lists, presentation tools, and project planning.
	11152	Desktop Publishing	01S JOU, 11S GRA, 12S BUS, 12S MAR, 12S CIS, 12S BM, 10S CS	Desktop Publishing courses integrate the knowledge and skills learning in word processing with the concepts, procedures and application of desktop publishing. Students learn to format, create and proofread brochures, programs, newsletters, web pages, presentations and manuscripts.
	11153	Digital Media Design and Production	11S GRA, 12S BUS, 12S CIS, 12S MAR, 13S ITE, 12S BM, 11S VID, 10S CS	Digital Media Design and Production courses teach students the fundamentals of graphic design and production and provide students with the opportunity to apply these principles to printed media, digital presentation media, and interactive media.
	11154	Commercial Graphic Design	11S GRA, 12S BUS, 12S CIS, 12S MAR, 13S ITE, 12S BM, 10S CS	Commercial Graphic Design courses teach students to use artistic techniques to effectively communicate ideas and information to business and customer audiences via illustration and other forms of digital or printed media. Topics covered may include concept design, layout, paste-up and techniques such as engraving, etching, silkscreen, lithography, offset, drawing and cartooning, painting, collage and computer graphics.
	11155	Graphic Technology	11S GRA, 12S BUS, 12S CIS, 12S MAR, 13S ITE, 12S BM, 10S CS	Graphic Technology courses help students apply artistic and computer techniques to the interpretation of technical and commercial concepts. Topics covered may include computer assisted art and design, printmaking, concept sketching, technical drawing, color theory, imaging, studio techniques, still life modeling, and commercial art business operations. Advanced topics may include topographic arrangements of print and/or electronic graphic and textual products, printing and lithographic equipment and operations, digital imaging, print preparation, desktop publishing and web page design.
	11156	Photography and Printing Technology	12S BUS, 12S CIS, 12S MAR, 11S GRA, 11S PHO, 13S ITE, 10S CS	Photography and Printing Technology courses expose students to the tools, materials and processes involved in mass production of photography and printing. Types of printing covered in the course may include intaglio, relief, planographic, screen processes printing, silk screening, serigraphy processes and thermograph. Additional topics may include the use of cameras, composition, imposition, presswork, and computer aided publishing.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 011 - Communications and Audio/Visual Technology

##### Printing Technology and Production

	11157	Photoengraving	12S BUS, 12S CIS, 12S MAR, 11S GRA, 11S PHO, 13S ITE, 10S CS	Photoengraving courses teach students to photograph illustration and other copy that cannot be set in type, to develop negatives, and to prepare photosensitized metal plates for use in printing.
	11158	Print Press Operations	12S BUS, 12S CIS, 12S MAR, 11S GRA, 11S PHO, 13S ITE, 10S CS	These courses expose students to the necessary skills for operating a print press. Topics covered in this course include how to prepare, operate and maintain printing processes.
	11198	Printing Technology—Workplace Experience	12S BUS, 12S CIS, 11S GRA, 11S PHO, 12S MAR, 13S ITE, 10S CS, 23S WBL	Printing Technology—Workplace Experience courses provide students with work experience in a field related to printing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

##### All Others

	11993	Communication and Audio/Video Technology—School-based Enterprise	10S CS, 10S CC, 12S BUS, 12S BM, 12S CIS, 11S GRA, 11S PHO, 11S VID, 13S ITE, 23S WBL	Communication and Audio/Video Technology—School-based Enterprise courses provide students the opportunity to learn about and manage an entrepreneurial operation related to communication and audio/video technology within a school setting. Students will develop interpersonal and professional skills. Topics may include operations, product services management, pricing, distribution, and marketing.
	11994	Communication and Audio/Video Technology—Career Project-based Learning	12S CIS, 11S GRA, 11S PHO, 11S VID, 13S ITE, 23S WBL, 10S CS, 10S CC, 12S BUS, 12S BM	Communication and Audio/Video Technology—Career Project-based Learning courses provide students with an introduction to careers in the communication and audio/video technology field. Students will work in cooperation with local businesses, community organizations, or non-profit agencies to explore and solve real-world problems that could arise in the workplace. These courses occur in a classroom setting and typically do not include work in the field.
	11998	Communication and Audio/Video Technology—Workplace Exp	12S BUS, 12S CIS, 12S MAR, 11S GRA, 11S PHO, 13S ITE, 12S BM, 10S CS, 23S WBL	Communication and Audio/Video Technology—Workplace Experience courses provide students with work experience in a field related to communication or audio/video technology. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Grade	Code	Course Name	Endorsements	Description
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#### 012 - Business and marketing

##### Administration

	12001	Business/Office Career Exploration	12S BUS, 12S OFF, 12S BM, 33S DCACC	Business/Office Career Exploration courses expose students to the occupational opportunities available in the accounting, administration, data processing, management, and secretarial fields. Emphasis is placed on responsibilities, qualifications, work environment, and career paths. These courses may also include consumer education topics, keyboard exposure, and/or hands-on experience within the various occupational areas.
	12002	Office Procedures—Comprehensive	12S BUS, 12S OFF, 12S BM	Office Procedures—Comprehensive courses provide students with numerous opportunities to explore and understand the responsibilities and duties common to most office personnel. These comprehensive courses cover such topics as communication skills, reception and transmission of information via data processing equipment, filing and record management, mail handling, scheduling meetings and conferences, creating itineraries, and word processing.
	12003	Office and Administrative Technologies	12S BUS, 12S OFF, 12S BM	Office and Administrative Technologies courses provide students with instruction and experience in developing technical, problem-solving, and decision-making skills essential for office and/or administrative occupations. Emphasis is placed on integrating and applying knowledge and skills to realistic office and administrative situations utilizing current and relevant technology.
	12004	Office Services	12S BUS, 12S OFF, 12S BM	Office Services courses introduce students to and help them refine clerical and receptionist skills. Course content typically covers filing, telephone, and keyboarding skills; reprographic machinery and procedures; communications skills; and so on.
	12005	Keyboarding		Keyboarding courses provide students with an introduction to the keyboard (letters, numbers, and symbols), basic machine operation, and proper keystroke technique. As students progress, they improve their speed and accuracy and produce increasingly complex documents. Such courses help students develop keyboard proficiency, document production skills, and problem-solving skills.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>012 - Business and marketing</b>				
<b>Administration</b>				
	12006	Word Processing		Word Processing courses introduce students to automated document production using one or more software packages. These courses may introduce keyboarding techniques or may require prior experience; in either case, speed and accuracy are emphasized. A parallel focus is placed on the use of software commands and functions to create, edit, format, and manipulate documents, capitalizing on the power offered by word processing software programs. These courses may also cover file and disk management and other computer-related skills.
	12009	Business Communications	12S BUS, 12S OFF, 12S BM, 33S DCBUS, 33S BUED	Business Communications courses help students to develop an understanding and appreciation for effective communication in business situations and environments. Emphasis is placed on all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating nonverbally, and utilizing technology for communication. Business communication functions, processes, and applications in the context of business may be practiced through problem-based projects and realworld application.
	12048	Administration—Workplace Experience	12S BUS, 12S OFF, 12S BM, 23S WBL	Administration—Workplace Experience courses provide students with work experience in fields related to business administration. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Management</b>				
	12052	Business Management	12S BUS, 12S BM, 33S BUED, 33S DCABLE	Business Management courses acquaint students with management opportunities and effective human relations. These courses provide students with the skills to perform planning, staffing, financing, and controlling functions within a business. In addition, they usually provide a macro-level study of the business world, including business structure and finance, and the interconnections among industry, government, and the global economy. The course may also emphasize problem-based, real-world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business decisions.
	12053	Entrepreneurship	12S BUS, 23S FCS, 12S BM, 33S BUED, 33S DCABLE	Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.
	12054	Business Law	12S BUS, 12S BM, 33S BUED, 33S DCABLE	Business Law courses emphasize legal concepts that are relevant to business and business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities.
	12055	Business Principles and Management	12S BUS, 12S BM, 33S BUED, 33S DCABLE	Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small.
	12056	International Business and Marketing	12S BUS, 12S BM, 33S BUED, 33S DCABLE	International Business and Marketing courses examine business management and administration in a global economy. Topics covered in this course typically include the principles and processes of export sales, trade controls, foreign operations and related problems, monetary issues, international business and policy, and applications of doing business in specific countries and markets.
	12057	Human Resources and Labor Relations	12S BUS, 12S BM, 33S BUED, 33S DCABLE	Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between management and labor, and how organized labor currently operates.
	12058	Human Resources Management	12S BUS, 12S BM, 33S DCABLE	Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals of an organization.
	12059	IB Business and Management	12S BUS, 12S BM	IB Business Management courses prepare students to take the International Baccalaureate Business and Management exams. IB Business Management courses explore business decision-making processes and the concepts of creativity, change, ethics, and sustainability from a business perspective. Course content includes business organization and environment, human resources, accounts and finance, marketing, and operations management.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>012 - Business and marketing</b>				
<b>Management</b>				
	12061	AP CK Business with Personal Finance	12S BM, 12S BUS	Following the College Board's suggested curriculum designed to parallel college-level introductory business courses, AP Career Kickstart (CK) Business with Personal Finance courses include fundamental business topics such as marketing, finance, accounting, and management. Students complete an entrepreneurial business canvas project to apply their knowledge and business decision-making skills to a business idea. These courses also cover essential personal finance concepts to improve students' understanding of business subjects and individual financial decision-making.
	12098	Management—Workplace Experience	12S BUS, 12S BM, 23S WBL	Management—Workplace Experience courses provide students with work experience in fields related to business management. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Finance</b>				
	12101	Banking and Finance	12S BUS, 12S BM, 33S DCACC	Banking and Finance courses provide students with an overview of the American monetary and banking system as well as types of financial institutions and the services and products that they offer. Course content may include government regulations; checking, savings, and money market accounts; loans; investments; and negotiable instruments.
	12102	Banking	12S BUS, 12S BM, 33S DCACC	Banking courses are similar to Banking and Finance courses, but they focus specifically on banking. These courses may also address examining and applying the methods used for measuring the financial performance of banks in addition to examining specialized brokerage products, current issues, and future trends in banking.
	12103	Finance	12S BUS, 12S BM, 33S DCACC	Finance courses are similar to Banking and Finance courses, but they focus specifically on finance, addressing how businesses raise, distribute, and use financial resources while managing risk. Course content typically involves modeling financial decisions (such as borrowing, selling equity or stock, lending or investing) typically undertaken by businesses.
	12104	Accounting	12S BUS, 12S BM, 33S DCACC	Accounting courses introduce and expand upon the fundamental accounting principles and procedures used in businesses. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are usually used. Advanced topics may include elementary principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process.
	12105	Business Economics	12S BUS, 12S BM, 33S DCACC	Business Economics courses integrate economic principles (such as free market economy, consumerism, and the role of American government within the economic system) with entrepreneurship/business concepts (such as marketing principles, business law, and risk).
	12106	Risk Management and Insurance	12S BUS, 12S BM, 33S DCACC	Risk Management and Insurance courses analyze risk management techniques from the viewpoints of those employed in the industry as well as of business owners seeking to meet risk management needs. Insurance products are evaluated in relation to cost and effectiveness.
	12107	Securities and Investments	12S BUS, 12S BM, 33S DCACC	Formerly known as Investing, Securities and Investments courses emphasize the formulation of business and individual investment decisions by comparing and contrasting the investment qualities of cash, stock, bonds, and mutual funds. Students typically review annual reports, predict growth rates, and analyze trends. Stock market simulations are often incorporated into these courses.
	12108	Cost Accounting	12S BUS, 12S BM	Cost Accounting courses introduce students to the accounting concepts of manufacturing systems. In addition to job order and process costing systems, these courses emphasize profit planning and control programs.
	12109	Income Tax Accounting	12S BM, 12S BUS	Income Tax Accounting courses introduce students to and expand their knowledge of the fundamental accounting principles and procedures used in businesses through integrating and using accounting-related software and information systems. These courses focus on federal, state, and local business tax laws; business tax accounting methods; and the preparation of business tax forms.
	12110	Payroll Accounting	12S BM, 12S BUS	Payroll Accounting courses introduce students to and expand their knowledge of the fundamental accounting principles and procedures related to payroll transactions for businesses. These courses typically emphasize computing wages, social security taxes, income tax withholding, unemployment taxes, and recording payroll transactions while providing students with experience in preparing all the necessary monthly, quarterly, and annual reports.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>012 - Business and marketing</b>				
<b>Finance</b>				
	12111	Particular Topics in Accounting	12S BM, 12S BUS	These courses examine particular topics, such as auditing or non-profit accounting, rather than provide a general overview.
	12148	Finance—Workplace Experience	12S BUS, 12S BM, 23S WBL	Finance—Workplace Experience courses provide students with work experience in fields related to finance. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Marketing</b>				
	12151	Marketing Career Exploration	12S BUS, 12S MAR, 12S BM	Geared for students with an interest in marketing, sales, or small business operation, Marketing Career Exploration courses expose students to the opportunities available in retail, wholesale, advertising, and other occupational fields using marketing principles.
	12153	Marketing—Fashion	12S BUS, 12S MAR, 12S BM	Marketing—Fashion courses typically cover the same scope of topics as Marketing— Comprehensive courses (purchasing and distribution systems, advertising, display and sales, management and entrepreneurship, and so on) but do so with particular attention to the fashion industry. In keeping with the focus on the fashion industry, course topics may also include fashion cycles, fashion history, design, style, and coordination.
	12154	Marketing—Real Estate	12S BUS, 12S MAR, 12S BM	Marketing—Real Estate courses typically cover the same scope of topics as Marketing— Comprehensive courses (purchasing, advertising, sales, human relations, management and entrepreneurship, and so on) but do so with particular attention to the real estate industry. In keeping with the focus on real estate, course topics may also include financing, investment, ownership rights, ethics, and other real estate principles.
	12155	Marketing—Transportation	12S BUS, 12S MAR, 12S BM	Marketing—Transportation courses typically cover the same scope of topics as Marketing— Comprehensive courses (purchasing and distribution systems, advertising, display and sales, management, entrepreneurship, and so on) but do so with particular attention to the transportation industry. In keeping with the focus on this industry, topics include identification and proper use of auto parts and accessories and the sales and service of new and used cars, vans, trucks, and related parts.
	12156	Marketing—Food/Beverage Industry	12S BUS, 12S MAR, 12S BM	Marketing—Food/Beverage Industry courses typically cover the same scope of topics as Marketing—Comprehensive courses (purchasing and distribution systems, advertising, display and sales, management, entrepreneurship, and so on) but do so with particular attention to the food and beverage industry. In keeping with the focus on this industry, topics include the unique characteristics and functions of the food and beverage service industry.
	12157	Marketing—Insurance	12S BUS, 12S MAR, 12S BM	Marketing—Insurance courses typically cover the same scope of topics as Marketing— Comprehensive courses (purchasing and distribution systems, advertising, display and sales, management, entrepreneurship, and so on) but do so with particular attention to the sale or underwriting of accident, health, life, marine, automobile, and causality insurance.
	12158	Marketing—Floristry	12S BUS, 12S MAR, 12S BM	Marketing—Floristry courses typically cover the same scope of topics as Marketing— Comprehensive courses (purchasing and distribution systems, advertising, display and sales, management, entrepreneurship, and so on) but do so with particular attention to the floristry industry. In keeping with the focus on this field, topics include the unique characteristics and functions of retail and wholesale floral operations.
	12159	Marketing—Hospitality/Tourism	12S BUS, 12S MAR, 12S BM	Marketing—Hospitality/Tourism courses typically cover the same scope of topics as Marketing—Comprehensive courses (purchasing and distribution systems, advertising, display and sales, management, entrepreneurship, and so on) but do so with particular attention to the travel, tourism, and lodging industry. In keeping with the focus on this field, topics include the unique characteristics and functions of travel services and hotel/motel operations.
	12160	Marketing—Merchandising	12S BUS, 12S MAR, 12S BM	Marketing—Merchandising courses are designed to provide students with practical backgrounds in retailing, with emphasis on merchandising, promotion/display, selling, and career planning. The content of this course may also include fundamental principles of human relations.
	12161	Retail Marketing	12S BUS, 12S MAR, 12S BM	Retail Marketing courses cover marketing principles and concepts related to the provision of goods or services directly to the consumer, emphasizing store operation, advertisement and display of goods, store security, human relations, and business management and ownership.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>012 - Business and marketing</b>				
<b>Marketing</b>				
	12162	Internet Marketing	12S BUS, 12S MAR, 12S BM	Internet Marketing covers the principles and functions of marketing from the standpoint of conducting business on the internet. Typically, students develop such skills as using the internet as a marketing tool, conducting a marketing analysis via the internet, planning marketing support activities, managing an electronic marketing campaign, managing/owning a business via the internet, and analyzing the impact of the internet on global marketing.
	12163	Sports and Entertainment Marketing	12S BUS, 12S MAR, 12S BM	Sports and Entertainment Marketing courses introduce students to and help them refine marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, and the sales or rental of supplies and equipment.
	12164	Principles of Marketing	12S BUS, 12S MAR, 12S BM, 33S BUED	Principles of Marketing courses offer students insight into the processes affecting the flow of goods and services from the producer to the consumer. Course content ranges considerably as general marketing principles such as purchasing, distribution, and sales are covered; however, a major emphasis is often placed on kinds of markets; market identification; product planning, packaging, and pricing; and business management.
	12165	Principles of Advertising	12S BUS, 12S MAR, 12S BM	Principles of Advertising courses expose students to the varied concepts underlying the promotion of products. The topics included in Principles of Advertising courses range considerably, but typically include the psychology of advertising, a study of various media, advertising planning and budgeting, and advertising layout and design principles. Course topics may also include an overview of commercial art and packaging.
	12166	Marketing Management	12S BUS, 12S MAR, 12S BM	Marketing Management courses typically cover the same scope of topics as Marketing—Comprehensive courses (purchasing and distribution systems; advertising and sales; and so on) but place a particular emphasis on business management and entrepreneurship, providing exposure to common techniques and problems of management.
	12167	Marketing—Other Specialization	12S BUS, 12S MAR, 12S BM	Marketing—Other Specialization courses typically cover the same scope of topics as Marketing—Comprehensive courses (purchasing and distribution systems, advertising, display and sales, management, entrepreneurship, and so on) but do so with attention to a particular industry not specified above. The course may also cover specific topics related to the particular industry being covered.
	12198	Marketing—Workplace Experience	12S BUS, 12S MAR, 12S BM, 23S WBL	Marketing—Workplace Experience courses provide students with work experience in fields related to marketing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Sales</b>				
	12201	Cashier/Checker Operations	12S BUS, 12S MAR, 12S BM	Cashier/Checker Operations courses provide students with the knowledge and skills to operate a cash register and to handle numerous transactions. Topics typically include cash register procedures; handling cash, credit, checks, food stamps, and other forms of legal tender; human relations; stocking and marking merchandise; and theft prevention. Job search and employability skills are often an integral part of the course.
	12202	Principles of Selling	12S BUS, 12S MAR, 12S BM	Principles of Selling courses provide students with the knowledge and opportunity to develop in-depth sales competencies. Course content typically includes types of selling, steps in a sale, sales strategies, and interpersonal skills and techniques.
	12248	Sales—Workplace Experience	12S BUS, 12S MAR, 12S BM, 23S WBL	Sales—Workplace Experience courses provide students with work experience in fields related to sales. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>All Others</b>				
	12993	Business and Marketing—School-based Enterprise	12S BUS, 12S BM, 23S WBL	Business and Marketing—School-based Enterprise courses provide students the opportunity to learn about and manage an entrepreneurial operation related to business and marketing within a school setting. Students will develop interpersonal and professional skills. Topics may include operations, product services management, pricing, distribution, and marketing.
	12994	Business and Marketing—Career Project-based Learning	12S BM, 12S BUS, 23S WBL	Business and Marketing—Career Project-based Learning courses provide students with an introduction to careers in the business and marketing field. Students will work in cooperation with local businesses, community organizations, or non-profit agencies to explore and solve real-world problems that could arise in the workplace. These courses occur in a classroom setting and typically do not include work in the field.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 012 - Business and marketing

##### All Others

	12998	Business and Marketing—Workplace Experience	12S BUS, 12S MAR, 12S BM, 23S WBL	Business and Marketing—Workplace Experience courses provide students with work experience in fields related to business and marketing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
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#### Manufacturing Technology

	13001	Exploration of Manufacturing Occupations	13S ITE, 17S BT, 13S MET, 13S WLD	Exploration of Manufacturing Occupations courses introduce and expose students to the career opportunities pertaining to the processing and production of goods. Course topics vary and may include (but are not limited to) systems pertinent to the manufacturing process, properties of various raw materials, and the methods used to transform materials into consumer products. Course activities depend upon the careers being explored; course topics may include entrepreneurship, labor laws, economic impact, and customer service.
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Grade	Code	Course Name	Endorsements	Description
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#### 013 - Manufacturing

##### Manufacturing Technology

	13002	Manufacturing—Comprehensive	13S ITE, 13S MET, 17S CAR	Manufacturing—Comprehensive courses introduce students to the various methods used to process and transform materials. Processing techniques covered usually include casting, forming, separating, assembling, and finishing. The courses may also include an overview of management techniques in planning, organizing, and controlling various segments of the manufacturing process, including design, engineering, production, and marketing.
	13003	Industrial Arts	13S ITE	Industrial Arts courses expose students to the tools and machines that they may encounter in manufacturing-related occupations and enable them to develop the skills they need to use these tools in various applications. Course topics typically include (but are not limited to) drawing and planning, electricity, graphic arts, woodwork, leatherwork, metalwork, plastics, and power technology. These courses typically cover general safety and career exploration as well.
	13004	Industrial Safety/First Aid	13S ITE	Industrial Safety/First Aid courses provide students with instruction in safe operating procedures related to various trades, as well as more general training in emergency first aid and CPR. Course topics may include the importance of standard operation procedures, agencies and regulations related to occupational safety and hazard prevention, and the dangers of particular materials.

#### Processing/Production

	13052	Material and Processes	17S BT, 13S WLD, 13S MET, 13S ITE, 13S MCH	Material and Processes courses expose students to the tools, equipment, and processes that may be encountered in manufacturing-related occupations. In particular, these courses stress the analysis, testing, and processing of metals, plastics, woods, ceramics, and composite materials.
	13053	Metal and Wood Processing/Production	13S ITE, 13S MET, 13S WLD, 17S BT	Metal and Wood Processing/Production courses allow students to study the physical and chemical properties of metals, woods, and composites and to use these materials to construct usable products according to industry standards. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines.
	13054	Wood Processing/Production	13S ITE, 17S BT, 17S WOO, 17S CAR	Wood Processing/Production courses include studying the properties of woods and composites made from woods and using these materials to construct usable products. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines.
	13055	Metal Processing/Production	13S ITE, 13S WLD, 13S MCH, 13S MET	Metal Processing/Production courses include studying the properties of metals and metal alloys and using these materials to construct usable products. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines.
	13056	Plastics Processing/Production	13S ITE, 13S MCH	Plastics Processing/Production courses include studying the properties of plastics and composites and using these materials to construct usable products. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>013 - Manufacturing</b>				
<b>Processing/Production</b>				
	13057	Ceramic Processing/Production	13S ITE, 13S MCH	Ceramic Processing/Production courses include studying the properties of ceramics and heatresistant composites and using these materials to construct usable products. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines.
	13098	Processing/Production—Workplace Experience	13S ITE, 13S MCH, 23S WBL	Processing/Production—Workplace Experience courses provide students with work experience in fields related to manufacturing processing and production. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Production Systems</b>				
	13101	Production Systems	13S ITE, 13S MCH	Production Systems courses provide students with knowledge and skills related to manufacturing technologies from conception through production. Although courses vary, students typically analyze markets, design and develop prototypes, plan a marketing or sales strategy, manage a production plan, and manufacture useful products. These courses may also explore the evolution and impact of technology on society's social, cultural, and economic systems and institutions.
	13102	Electro-Mechanical Systems	13S ITE, 13S MCH	Electro-Mechanical Systems courses provide students with instruction and experience in components and equipment that use electricity and the power of physical forces. Students gain an understanding of the principles of electricity and mechanics and their application to gears, cams, levers, circuits, and other devices used in the manufacturing process or within manufactured goods.
	13103	Product Development	13S ITE, 13S MCH	Product Development courses provide students with the opportunity to focus on one or more areas of industrial technology, creatively pursuing new knowledge or solving a technological problem, by designing and building prototypes and working models. Students learn and apply appropriate information in order to complete a project.
	13104	Mechatronics	13S ITE	Mechatronics courses provide students with instruction and experience in mechatronics, a multidisciplinary subject involving mechanics, electronics, control theory, and computer science to design and manufacture products. Mechatronic systems form the foundation of robotics, automation, and advanced manufacturing (such as 3D printing). These courses typically expose students to the theoretical basis of mechatronics in addition to applying these theories to hands-on projects.
	13148	Production Systems—Workplace Experience	13S ITE, 13S MCH, 23S WBL	Production Systems—Workplace Experience courses provide students with work experience in fields related to manufacturing systems and/or research. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Metalwork</b>				
	13201	Metalwork Occupations	13S ITE, 13S MCH, 13S MET, 13S WLD, 18S AG, 18S AM	Metalwork Occupations courses provide students with theoretical principles and laboratory experiences related to the planning, manufacturing, assembling, testing, and repairing of parts, mechanisms, and structures in which materials are cast, formed, treated, cut, fused, or otherwise processed in some fashion.
	13202	Metalworking	13S ITE, 13S MCH, 13S MET, 13S WLD, 18S AG, 18S AM, 17S BM	Metalworking courses introduce students to the qualities and applications of various metals and the tools used to manipulate and form metal into products. Through one or more projects involving metals, students develop planning, layout, and measurement skills; gain experience in cutting, bending, forging, casting, and/or welding metal; complete projects according to blueprints or other specifications; and may also learn to polish and finish metals. Correct use of metalworking tools and equipment is stressed.
	13203	Machining	13S ITE, 13S MCH, 13S MET, 13S WLD	Machining courses enable students to create metal parts using various machine tools and equipment. Course content may include interpreting specifications for machines using blueprints, sketches, or descriptions of parts; preparing and using lathes, milling machines, shapers, and grinders with skill, safety, and precision; developing part specifications; and selecting appropriate materials.
	13205	Sheet Metal	13S ITE, 13S MET, 13S WLD	Sheet Metal courses expose students to the skills and information necessary to lay out, fabricate, assemble, install, maintain, and repair items and structures created from sheet metal components. Students learn the safe and efficient operation of various tools and typically gain skill in blueprint reading, welding, and finishing and polishing metals.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 013 - Manufacturing

##### Metalwork

	13207	Welding	13S ITE, 13S WLD	Welding courses enable students to gain knowledge of the properties, uses, and applications of various metals, skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, metal inert gas, and tungsten arc processes), and experience in identifying, selecting, and rating appropriate techniques. Welding courses often include instruction in interpreting blueprints or other types of specifications.
	13208	Particular Topics in Welding	13S WLD, 13S ITE	In these courses students gain knowledge and skills in particular aspects of welding. Examples include individual courses in each of the following types of welding: gas metal, gas tungsten, and shielded metal and flux core arc welding.
	13209	Particular Topics in Metalwork	13S ITE, 13S MET, 13S WLD	In these courses students gain knowledge and skills in particular aspects of metalwork (such as foundry work or metallurgy) not otherwise described elsewhere in this classification system.
	13248	Metalwork—Workplace Experience	13S ITE, 13S MCH, 13S WLD, 13S MET, 23S WBL	Metalwork—Workplace Experience courses provide students with work experience in the welding, machine technologies, or metalwork fields. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

##### Repair

	13302	Equipment Maintenance and Repair	13S ITE, 13S IM, 17S BM	Equipment Maintenance and Repair courses prepare students to adjust, maintain, replace, and repair parts of machinery and to repair tools, equipment, and machines. The courses may have a general emphasis or may focus on a specific type of machinery or equipment related to a particular industry. Depending upon the intent, course topics may include electric, hydraulic, or mechanic systems; control devices, valves, and gates; or supplemental equipment such as fans, hoses, and pipes.
	13348	Repair—Workplace Experience	13S ITE, 13S IM, 23S WBL, 17S BM	Repair—Workplace Experience courses provide students with work experience in the fields involving repair, supported by classroom attendance and discussion. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

##### All Others

	13993	Manufacturing—School-based Enterprise	13S ITE, 13S MCH, 17S WOO, 17S CAR, 13S MET, 13S WLD, 23S WBL	Manufacturing—School-based Enterprise courses provide students the opportunity to learn about and manage an entrepreneurial operation related to manufacturing within a school setting. Students will develop interpersonal and professional skills. Topics may include operations, product services management, pricing, distribution, and marketing.
	13994	Manufacturing—Career Project-based Learning	13S WLD, 23S WBL, 13S ITE, 13S MCH, 17S WOO, 17S CAR, 13S MET	Manufacturing—Career Project-based Learning courses provide students with an introduction to careers in the manufacturing field. Students will work in cooperation with local businesses, community organizations, or non-profit agencies to explore and solve real-world problems that could arise in the workplace. These courses occur in a classroom setting and typically do not include work in the field.
	13998	Manufacturing—Workplace Experience	13S ITE, 13S MCH, 17S WOO, 17S CAR, 13S MET, 13S WLD, 23S WBL	Manufacturing—Workplace Experience courses provide students with work experience in fields involving manufacturing, supported by classroom attendance and discussion. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Grade	Code	Course Name	Endorsements	Description
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#### 015 - Public, Protective, and Government Services

##### All Others

	15001	Exploration of Public Service Careers	14S HPB, 33S CJUS, 33S DCCJ, 33S DCCOU, 14S EMT, 14S HPT, 14S HPI, 15S FDS	Exploration of Public Service Careers courses expose students to the duties, responsibilities, requirements, and career opportunities within public service. Course topics vary and may include (but are not limited to) protective services; correction, judicial, and probation services; fire protection and fire fighting; public administration; and social work. Course activities depend upon the career clusters that students explore.
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\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>015 - Public, Protective, and Government Services</b>				
<b>All Others</b>				
	15993	Public, Protective, and Government Service—School-based Enterprise	14S HPB, 15S FDS, 04S BF, 12S BUS, 12S BM, 23S WBL	Public, Protective, and Government Service—School-based Enterprise courses provide students the opportunity to learn about and manage an entrepreneurial operation related to public, protective, and government service within a school setting. Students will develop interpersonal and professional skills. Topics may include operations, product services management, pricing, distribution, and marketing.
	15994	Public, Protective, and Government Service—Career Project-based Learning	14S HPB, 15S FDS, 04S BF, 12S BUS, 12S BM, 23S WBL	Public, Protective, and Government Service—Career Project-based Learning courses provide students with an introduction to careers in the public, protective, and government service field. Students will work in cooperation with local businesses, community organizations, or non-profit agencies to explore and solve real-world problems that could arise in the workplace. These courses occur in a classroom setting and typically do not include work in the field.
<b>Law Enforcement</b>				
	15051	Criminal Justice	04S BF, 14S HPB, 12S BUS, 12S BM, 33S CJUS, 33S DCCJ, 33S CJUS	Criminal Justice courses train students to understand and apply the principles and procedures essential to the U.S. criminal justice system. These courses explore the principles and structure of the justice system and the law, and course content also typically includes investigation, search and arrest, and laboratory, forensic, and trial procedures. Students may also learn CPR and first aid skills, personal defense tactics, and crime prevention techniques.
	15052	Corrections	14S HPB, 33S CJUS, 33S DCCJ	Corrections courses provide instruction regarding the principles and techniques used by institutions that incarcerate, rehabilitate, and monitor people accused or convicted of crimes.
<b>Government Service</b>				
	15101	Public Safety	14S HPB, 15S FDS, 33S CJUS, 33S DCCJ	Public Safety courses introduce students to the field of public safety and extend their knowledge and skills pertaining to the safety and security of homes, workplaces, and the community. These courses cover such topics as policing, law enforcement, emergency service, and private security and corrections and may cover all or a subset of these services.
	15102	Security Services	14S HPB, 15S FDS, 33S CJUS, 33S DCCJ	Security Services courses provide instruction regarding the safety and security of (1) people, (2) personal property, (3) intellectual property, and (4) buildings and facilities.
	15151	Fire Science	15S FDS	Fire Science courses introduce students to the field of fire prevention and control and enable them to extend their knowledge through the use of chemical, physical, and engineering principles to understand factors involved in fires. Course topics typically include the chemistry of combustion, factors that influence fire (such as structural design and meteorology), and safety procedures.
	15152	Fire Fighting	15S FDS	Fire Fighting courses offer students the opportunity to learn fire prevention and control under controlled conditions. Typically, students learn about the organization, rules, requirements, and regulations of fire departments; study and practice the tools and techniques used by firefighters to control or extinguish fires; and examine the behavior of fires. These courses also usually include emergency medical procedures and present fire investigation techniques.
	15153	Particular Topics in Fire Management	15S FDS	These courses examine specific topics related to fire management (such as hazardous materials handling), rather than provide a general study of the field.
	15198	Fire Management—Workplace Experience	15S FDS	Fire Management—Workplace Experience courses provide work experience in fields related to fire management. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
	15202	Community Protection	15S FDS, 33S CJUS, 33S DCCJ, 14S EMT, 14S HPB	Community Protection courses provide students with information regarding the personnel and agencies concerned with protection of the home, city, state, and nation. Topics covered typically include civil defense and disaster preparedness; crime prevention; pollution control; fire prevention and control; legal and social systems and principles; and public health. These topics may be explored from the viewpoint of a community resident and citizen using these services or of that of one interested in pursuing a public service career.
	15248	Government Service—Workplace Experience	14S HPT, 14S HPI, 14S EMT, 15S FDS, 33S CJUS, 33S DCCJ, 14S HPB, 09S ROT	Government Service—Workplace Experience courses provide work experience in fields related to government service. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 016 - Hospitality and Tourism

##### All Others

	16001	Exploration of Hospitality Careers	23S FCS, 23S CA, 33S DCHOM	Exploration of Hospitality Careers courses survey a wide array of topics while exposing students to the variety of career opportunities in hospitality fields (such as food service, lodging, tourism, and recreation). These courses serve to introduce students to the general field of hospitality, providing an opportunity to identify a focus for continued study.
	16993	Hospitality and Tourism—School-based Enterprise	23S CA, 23S FCS, 23S WBL	Hospitality and Tourism—School-based Enterprise courses provide students the opportunity to learn about and manage an entrepreneurial operation related to hospitality and tourism within a school setting. Students will develop interpersonal and professional skills. Topics may include operations, product services management, pricing, distribution, and marketing.
	16994	Hospitality and Tourism—Career Project-based Learning	23S FCS, 23S CA, 23S WBL	Hospitality and Tourism—Career Project-based Learning courses provide students with an introduction to careers in the hospitality and tourism field. Students will work in cooperation with local businesses, community organizations, or non-profit agencies to explore and solve real-world problems that could arise in the workplace. These courses occur in a classroom setting and typically do not include work in the field.
	16998	Hospitality and Tourism—Workplace Experience	23S FCS, 23S CA, 23S WBL	Hospitality and Tourism—Workplace Experience courses provide work experience in fields related to hospitality and tourism. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

#### Restaurant, Food and Beverage Services

	16051	Exploration of Restaurant, Food and Beverage Services	23S FCS, 23S CA, 33S DCHOM, 33S DCHUM	Exploration of Restaurant, Food, and Beverage Services courses provide students with an overview of the restaurant, food, and beverage service industry. Topics covered include industry terminology, the history of restaurant, food, and beverage services, introduction to marketing, and the various careers available in the industry.
	16052	Restaurant, Food and Beverage Services—Comprehensive	23S FCS, 23S CA, 33S DCHOM, 33S DCHUM	Restaurant, Food, and Beverage Services—Comprehensive courses provide students with knowledge and skills related to commercial and institutional food service establishments. Course topics range widely, but usually include sanitation and safety procedures, nutrition and dietary guidelines, food preparation (and quantity food production), and meal planning and presentation. Restaurant, Food, and Beverage Service courses may include both "back-of-the-house" and "front-of-the-house" experiences, and may therefore also cover reservation systems, customer service, and restaurant/business management.
	16053	Food Service	23S FCS, 23S CA, 33S DCHOM, 33S DCHUM	Food Service courses provide instruction regarding nutrition, principles of healthy eating, and the preparation of food. Among the topics covered are large-scale meal preparation, preserving nutrients throughout the food preparation process, use and care of commercial cooking equipment, food storage, advances in food technology, sanitation, management, and the careers available in the food service industry.
	16054	Nutrition and Food Preparation	23S FCS	Nutrition and Food Preparation courses provide students with knowledge and skills about food preparation and/or production, with a strong emphasis on nutrition, balanced diets, and satisfying special dietary needs. Topics typically include assessing nutrient content, the science of food and nutrition, physiology and utilization of nutrients. Course content may also cover additives, contaminants, foodborne illnesses, and food technology.
	16055	Restaurant Management and Operations	23S FCS, 23S CA, 33S DCHOM	Restaurant Management and Operations courses provide students with knowledge and skills related to commercial and institutional food service establishments, with an emphasis on management. Course topics therefore include guest service and relationships, planning, resource management, and other topics related to managing and operating restaurants.
	16056	Culinary Art Specialty	23S CA, 23S FCS, 33S DCHOM	Culinary Art Specialty courses provide instruction in a particular type of cooking or culinary style. Examples of such specialty fields include baking, creating and decorating wedding cakes, Middle Eastern cuisine, and so on. These courses emphasize skills specific to the type of culinary art being studied.
	16098	Restaurant, Food and Beverage Services—Workplace Experience	23S CA, 23S FCS, 23S WBL	Restaurant, Food, and Beverage Services—Workplace Experience courses provide work experience in fields related to restaurant, food, and beverage services. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

#### Lodging

	16101	Exploration of Lodging Careers	23S FCS, 33S DCHOM	Exploration of Lodging Careers courses provide an overview of the lodging industry. Topics covered include lodging terminology, the history of lodging, introduction to marketing, and the various careers available in the lodging industry.
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\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>016 - Hospitality and Tourism</b>				
<b>Lodging</b>				
	16102	Lodging—Comprehensive	23S FCS, 33S DCHOM	Lodging—Comprehensive courses introduce students to the lodging industry and refine their related knowledge and skills. Topics covered typically include property management, guest psychology and relationships, lodging operations, food and beverage services, and other topics related to support services within the lodging industry.
	16148	Lodging—Workplace Experience	23S FCS, 23S WBL	Lodging—Workplace Experience courses provide work experience in fields related to lodging. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Travel and Tourism</b>				
	16151	Introduction to Travel and Tourism	23S FCS, 33S DCHOM	Introduction to Travel and Tourism courses provide an overview of the travel and tourism industry. Topics covered in this course may include travel and tourism terminology, the history of travel, introduction to marketing, and the various careers available in travel and tourism.
	16152	Travel and Tourism—Comprehensive	23S FCS, 33S DCHOM	Travel and Tourism—Comprehensive courses provide the knowledge and skills necessary to work in the travel industry such as sales techniques, marketing principles, and entrepreneurial skills. Additional skills learned in these courses typically include travel agency procedures, airline reservation systems, public relations, hotel/motel registration systems and services, and conference and convention planning.
	16153	World Travel and Tourism	23S FCS, 33S DCHOM	World Travel and Tourism courses provide the knowledge and skills necessary to work in the travel industry, with a focus on travel outside of the United States. Topics covered may include geography of the continents; customs, cultures, and tourist destinations in other countries; special documentation needed for international travel; and planning events to client specifications.
	16154	Eco-tourism	23S FCS	Eco-tourism courses provide the knowledge and skills necessary to work in the travel industry, with particular attention paid to conservation and environmental issues surrounding travel and tourism. Topics covered may include recreational opportunities related to on- and off-site attractions and environmental and ecological principles.
	16198	Travel and Tourism—Workplace Experience	23S FCS, 23S WBL	Travel and Tourism—Workplace Experience courses provide work experience in fields related to travel and tourism. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Recreation, Amusement and Attractions</b>				
	16201	Exploration of Recreation, Amusement and Attractions	23S FCS, 33S DCHOM	Exploration of Recreation, Amusement, and Attractions courses provide an overview of the recreation industry. Topics covered in this course may include industry terminology; the history of recreation, amusement, and attractions; introduction to marketing; and the various careers available in the industry.
	16202	Recreation, Amusement and Attractions—Comprehensive	23S FCS, 33S DCHOM	Recreation, Amusement, and Attractions—Comprehensive courses provide students with the attitudes, skills, and knowledge needed for employment in theme parks, attractions and outdoor recreation facilities, exhibitions, and event planning. Topics covered may include planning trade shows, fairs, and conferences; outdoor recreation and management; financial transactions; salesmanship; guest services and satisfaction; culture and customs; computer and industry technology; eco-tourism; client information; and planning specialized events while incorporating themes, timelines, budgets, target audiences, agendas, and public relations.
	16248	Recreation, Amusement and Attractions—Workplace Experience	23S FCS, 23S WBL	Recreation, Amusement, and Attractions—Workplace Experience courses provide work experience in fields related to recreation, amusement, and attractions. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
Grade	Code	Course Name	Endorsements	Description
<b>017 - Architecture and Construction</b>				
<b>Construction-General</b>				
	17001	Construction Careers Exploration	13S ITE, 17S WOO, 17S CAR, 17S BT, 17S DRF	Construction Career Exploration courses expose students to the opportunities available in construction-related trades, such as carpentry, masonry, air conditioning/refrigeration, plumbing, and so on. Students learn about the processes involved in construction projects and may engage in a variety of small projects. These courses emphasize responsibilities, qualifications, work environment, rewards, and career paths within construction-related fields.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>017 - Architecture and Construction</b>				
<b>Construction-General</b>				
	17002	Construction—Comprehensive	13S ITE, 17S BT, 17S WOO, 17S CAR, 17S CAB	Construction—Comprehensive courses provide students with basic knowledge and skills required for construction of commercial, residential, and institutional structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction-related occupations such as carpentry, cabinetmaking, bricklaying, electrical trades, plumbing, concrete masonry, and so on. Students engage in activities such as reading blueprints, preparing building sites, starting foundations, erecting structures, installing utilities, finishing surfaces, and providing maintenance.
	17003	Carpentry	13S ITE, 17S BT, 17S CAR, 17S CAB	Carpentry courses provide information related to the building of wooden structures, enabling students to gain an understanding of wood grades and construction methods and to learn skills such as laying sills and joists; erecting sills and rafters; applying sheathing, siding, and shingles; setting door jambs; and hanging doors. Carpentry courses may teach skills for rough construction, finish work, or both. Students learn to read blueprints, draft, use tools and machines properly and safely, erect buildings from construction lumber, perform finish work inside of buildings, and do limited cabinet work. Carpentry courses may also include career exploration, good work habits, and employability skills.
	17004	Framing Carpentry	13S ITE, 17S BT, 17S CAR	Framing Carpentry courses provide students with much of the same knowledge as general carpentry courses (knowledge of various types and grades of woods, proper and safe use of hand and power tools, and site selection and preparation), but place a special emphasis on construction methods applicable to floor, wall, roof, and/or stair framing. Course content may also include insulation installation and painting.
	17006	Woodworking	13S ITE, 17S WOO, 17S BT, 17S CAR, 17S BM	Woodworking courses introduce students to the various kinds of woods used in industry and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized. As students advance, they focus on learning the terminology necessary to use power tools successfully, developing skills to safely use these tools in the workshop and becoming familiar with various kinds of wood-finishing materials. Advanced students typically design a project, prepare bills of materials, construct, and finish proposed projects.
	17007	Cabinetmaking	13S ITE, 17S CAB, 17S WOO, 17S CAR, 17S BT	Cabinetmaking courses provide students with experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood. Cabinetmaking courses cover the different methods of joining pieces of wood, how to use mechanical fasteners, and how to attach hardware. Initial topics may resemble those taught in Woodworking courses; more advanced topics may include how to install plastic laminates on surfaces and how to apply spray finishes.
	17008	Masonry	17S MAS, 13S ITE, 17S BT	Masonry courses enable students to learn to construct interior and exterior walls, columns, doorways, window openings, fireplaces, chimneys, and foundations from brick and concrete block. Along with other activities, students may mix and spread cement and mortar, read blueprints and plans, and estimate materials needed for a project. Other topics may also include how to layout buildings on footings and how to establish grades using a surveying transit.
	17009	Building Repair and Maintenance	17S BM, 13S ITE, 17S BT	Formerly known as Building Maintenance, Building Repair and Maintenance courses train students to maintain commercial, industrial, and residential buildings and homes. Instruction is provided in the basic maintenance and repair of air conditioning, heating, plumbing, electrical, and other mechanical systems. Topics covered may include identifying and using hand and power tools safely; installing and repairing floor coverings, walls, and ceilings; installing and repairing doors, windows, screens, and cabinets; applying finishes to prepared surfaces; and repairing roofs, masonry, plumbing, and electrical systems.
	17010	Home Maintenance	13S ITE, 17S BT, 17S BM	Home Maintenance courses provide students with knowledge and skills related to devices and systems found in the home. Course content may include electrical wiring, plumbing, window and door repair and installation, wall and floor repair and finishing, furniture repair and finishing, and small appliance repair.
	17011	Wall Finishings	17S PAI, 13S ITE, 17S BT	Wall Finishings courses prepare students to finish exterior or interior surfaces by applying protective coating materials such as paint, lacquer, wallpaper, plaster, or stucco. Course topics may include instruction in making, mixing, and matching paint colors; applying coating with various types of equipment; applying wallpaper; lathing, preparing surfaces, smoothing, and finishing.
	17013	Commercial Construction	13S ITE, 17S BT	Commercial Construction courses focus on residential construction principles and their relationship to commercial applications. Topics typically covered include commercial concrete forming, reinforcement and placement methods, stair construction, metal framing, interior finishes, suspended ceiling systems, metal framing and drywall applications, and commercial roofing methods and systems. These courses may also address equipment and tool usage in commercial construction.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 017 - Architecture and Construction

##### Construction-General

	17015	Construction Estimating	13S ITE, 17S BT	Construction Estimating courses provide students with the opportunity to learn the fundamental principles of construction estimating. Course topics typically include procedures for estimating costs in different divisions of a project and determining the critical quantities of materials obtained from a set of plans.
	17016	Construction Management	13S ITE, 17S BT	Construction Management courses introduce students to the concept of the project team, use of documents on a construction site, submittals, shop drawings, jobsite layout, meeting control, safety management, changes and claims forms, documents, and project closeout record keeping. Topics may also include construction law, construction contracts, and how to work with owners and subcontractors.
	17048	General Construction—Workplace Experience	13S ITE, 17S WOO, 17S BT, 17S BM, 17S CAR, 17S PAI, 17S MAS, 17S CAB, 17S DRF, 23S WBL	General Construction—Workplace Experience courses provide work experience in a field related to construction. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

##### Air Conditioning, Heating, and Plumbing

	17051	Air Conditioning	13S ITE, 17S BT	Air Conditioning courses offer students specialized training related to the design, installation, and repair of air conditioning systems for residential and commercial use. These courses may emphasize the theory and design of electrical, electronic, mechanical, and pneumatic control systems used in air conditioning systems; they might also (or instead) focus on procedures used in troubleshooting, servicing, and installing components of air conditioning systems.
	17052	Refrigeration	13S ITE, 17S BT	Refrigeration courses provide students with exposure to and training in the theories, equipment, and skills needed to design, install, and repair commercial and residential refrigeration systems. Course topics typically include the theory of thermodynamics, measurement of pressures and temperatures, components and common accessories of refrigeration systems, and repair and safety procedures.
	17053	Heating	13S ITE, 17S BT	Heating courses offer students training specific to the design, installation, and repair of heating systems for residential use. Topics typically include electric, gas, and/or steam systems; ventilation procedures; safety practices; and installation and trouble-shooting techniques.
	17054	Air Conditioning/Refrigeration	13S ITE, 17S BT	Air Conditioning/Refrigeration courses enable students to develop the combined skills and knowledge to install, maintain, adjust, and repair both air conditioning and refrigeration systems.
	17055	Air Conditioning, Heating, and Refrigeration	13S ITE, 17S BT	In Air Conditioning, Heating, and Refrigeration courses, students learn the basic principles of these systems, along with how to identify and safely use tools/equipment used in the trade.
	17056	Heating, Ventilation, and Air Conditioning	13S ITE, 17S BT	These courses synthesize basic and advanced principles in heating, ventilation, and air conditioning and include topics such as air filtration methods, humidity control, and the installation and maintenance of heat pumps, furnaces, and air conditioners. Students also learn about climate control systems; electrical wiring; systems design; sizing, fabricating, and installing ductwork; installing and maintaining climate control systems; and safety.
	17058	Plumbing	13S ITE, 17S BT	Plumbing courses provide students with instruction in installing waste and vent systems, water and gas pipes, trim, and fixtures. Skills taught include cutting and joining various types of pipe (for instance, steel, plastic) using various methods (cement, seat method, and so on).
	17059	Plumbing and Heating	13S ITE, 17S BT, 17S BM	Plumbing and Heating courses address the installation, assembly, maintenance, and repair of piping, plumbing, heating equipment, and water and drainage systems. Topics covered include the computation of heat losses and BTU requirements and blueprint reading. Students gain experience with electric, gas, and oil furnaces; vacuum pumps; air compressors; and mechanical and pneumatic testing equipment.
	17098	Air Conditioning, Heating and Plumbing—Workplace Experience	13S ITE, 17S BT, 23S WBL	Air Conditioning, Heating, and Plumbing—Workplace Experience courses provide work experience in a field related to air conditioning, heating, and/or plumbing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

##### Electricity/Electronics

	17101	Exploration of Electricity/Electronics	17S ELC, 13S ITE, 17S BT, 21S ENG	Exploration of Electricity/Electronics courses offer instruction in the theory of electricity and in the terminology, skills, and safety procedures common to careers involving electricity and electronics. Topics include (but are not limited to) Ohm's law, electrical equipment, wire systems, and so on; career exploration is often (but not always) an integral part of these courses.
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\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>017 - Architecture and Construction</b>				
<b>Electricity/Electronics</b>				
	17102	Electricity—Comprehensive	13S ITE, 17S ELC, 17S BT	Electricity—Comprehensive courses provide a survey of the theory, terminology, equipment, and practical experience in the skills needed for careers in the electrical field. These courses typically include AC and DC circuitry, safety, and the National Electrical Code and may cover such skills as those involved in building circuits; wiring residential, commercial, and/or industrial buildings; installing lighting, power circuits, and cables; and estimating job costs. As students progress, their projects become more complex and expansive. In these courses, safety is stressed, and a career exploration component may be offered.
	17103	Residential Wiring	13S ITE, 17S ELC, 17S BT	Covering many of the same topics as Electricity—Comprehensive courses, Residential Wiring courses apply the knowledge and skills that students acquire to the electrical systems found in family dwellings. Because these courses emphasize residential electricity, topics may also include cable installation, telephone systems, and the installation of lighting fixtures, outlets, and so on. Maintenance and repair skills are often included as course topics.
	17104	Industrial Electricity	17S ELC, 13S ITE, 17S BT	Covering many of the same topics as Electricity—Comprehensive courses, Industrial Electricity courses apply the knowledge and skills that students acquire to the electrical systems used in industry. Because of this emphasis, these courses may also cover the installation of transformers and control devices, emergency generator systems, and other industrial applications.
	17106	Electronics—Comprehensive	13S ITE, 17S ELC, 17S BT	Electronics—Comprehensive courses provide a survey of the theory, terminology, equipment, and practical experience in the skills needed for careers in the electronic field as well as typically cover the theory of electricity. Course topics may include AC, DC, analog, and integrated circuitry and solid state and digital devices, amplifiers, and semiconductors. Skills covered may involve the repair, maintenance, and building of electronic equipment such as radios, television sets, and industrial equipment.
	17108	Electricity/Electronics—General	17S ELC, 13S ITE, 17S BT	Electricity/Electronics—General courses teach fundamental concepts of electricity and electronics, including safety procedures, and may introduce students to the available occupations in electrical and electronic industries. Topics covered typically include components of circuits; reading schematics and diagrams; electricity and electronics as sources of energy; signal transmission; and using equipment common to these occupations, such as ammeters, voltmeters, capacitor checkers, transistor testers, signal generators, and ohmmeters.
	17110	Analog and Digital Circuits	17S ELC, 13S ITE, 17S BT, 21S ENG	In these courses, analog and digital circuits and systems are compared. Topics covered include binary and continuously variable currents and signals (typically in the context of voltage), waveforms, signal loss and distortion, modulation, and signal processing. These courses may also introduce other media, such as sound waves and liquids.
	17111	Analog Circuits	17S ELC, 13S ITE, 17S BT, 21S ENG	Analog Circuit courses emphasize currents and voltages that have continuously variable signals and, due to that emphasis, concentrate on signal modulation, transmission and reception, signal loss and distortion, and waveforms. These courses may also address conversion techniques.
	17112	Digital Circuits	17S ELC, 13S ITE, 17S BT, 21S ENG	Digital Circuit courses emphasize currents and voltages that have binary states and, due to that emphasis, concentrate on transmission and reception of binary data, signal loss, and processing circuitry. These courses may also address conversion techniques.
	17148	Electricity/Electronics—Workplace Experience	17S ELC, 13S ITE, 17S BT, 21S ENG, 23S WBL	Electricity/Electronics—Workplace Experience courses provide students with work experience in a field related to electricity and/or electronics. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>All Others</b>				
	17993	Architecture and Construction—School-based Enterprise	13S ITE, 17S BT, 17S CAR, 17S DRF, 17S WOO, 23S WBL	Architecture and Construction—School-based Enterprise courses provide students the opportunity to learn about and manage an entrepreneurial operation related to architecture and construction within a school setting. Students will develop interpersonal and professional skills. Topics may include operations, product services management, pricing, distribution, and marketing.
	17994	Architecture and Construction—Career Project-based Learning	13S ITE, 17S BT, 17S CAR, 17S DRF, 17S WOO, 23S WBL	Architecture and Construction—Career Project-based Learning courses provide students with an introduction to careers in the architecture and construction field. Students will work in cooperation with local businesses, community organizations, or non-profit agencies to explore and solve real-world problems that could arise in the workplace. These courses occur in a classroom setting and typically do not include work in the field.
	17998	Architecture and Construction—Workplace Experience	13S ITE, 17S BT, 17S CAR, 23S WBL	Architecture and Construction—Workplace Experience courses provide students with work experience in a field related to architecture or construction. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>018 - Agriculture, Food, and Natural Resources</b>				
<b>Comprehensive</b>				
	18001	Introduction to Agriculture and Natural Resources	18S AG	Introduction to Agriculture courses survey a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and livestock career opportunities and to those in related fields (such as natural resources). These courses serve to introduce students to the agricultural field, providing them an opportunity to identify an area for continued study or to determine that their interest lies elsewhere. They often focus on developing communication skills, business principles, and leadership skills.
	18002	Agriculture—Comprehensive	18S AG	Agriculture—Comprehensive courses cover a wide range of agricultural topics, including plant and animal science, production, and processing; agricultural mechanics, including tool and machine operation and repair; construction and repair of farm structures; business operations and management; and the careers available in the agricultural industry. They may also include topics such as chemical and soil science, ecology, agricultural marketing, and veterinary science.
	18003	Agriculture and Natural Resources—Comprehensive	18S AG	Agriculture and Natural Resources—Comprehensive courses cover a wide range of topics concerning agriculture and natural resources, including plant and animal science, production, and processing; environmental science and conservation; ecology; agricultural mechanics; agricultural construction; business operations and management; and the careers available in the agricultural/natural resources industry. They may also include topics such as chemical and soil science, forestry, agricultural marketing, and veterinary science.
	18004	Biological Applications in Agriculture	18S AG	Biological Applications in Agriculture courses are designed to integrate topics in science and agriculture. In these courses, students explore the world of agriculture and the associated biological principles. Competencies emphasize and reinforce standards for biology with agricultural applications.
<b>Plant Systems</b>				
	18051	Plant Systems/Science	18S AG, 18S AH, 18S PS	Formerly Plant Production/Science, Plant Systems/Science courses provide knowledge about the propagation of plants for food and fiber. These courses may cover such topics as soil science, irrigation, pest and weed control, food and fiber processing, and farm operations. These courses may also cover the knowledge and skills needed to produce all types of crops or may emphasize a particular area of the agricultural industry.
	18052	Horticultural Science	18S AG, 18S AH, 18S PS	Formerly known as General Horticulture, Horticultural Science courses expose students to the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. In doing so, they cover a wide variety of topics, including principles of plant science, greenhouse and nursery operations, soils and growing media mixtures, fruit and vegetable production, turf/golf course management, interior and exterior landscaping, irrigation systems, weed and pest control, and floral design.
	18053	Ornamental Horticulture	18S AG, 18S AH, 18S PS	Similar to General Horticulture, Ornamental Horticulture courses provide information regarding the care and propagation of plants, flowers, trees, and shrubs, but place a special emphasis on those used for decorative and aesthetic purposes. Because of this particular emphasis, Ornamental Horticulture courses usually concentrate on nurseries and greenhouses and on the floristry industry.
	18054	Turf and Landscape Management	18S AG, 18S AH, 18S PS	Turf and Landscape Management courses provide instruction that incorporates plant science, soil and media mixtures, plant identification and optimal environments, and landscape design. These courses emphasize applying such knowledge and skill to the design, establishment, and maintenance of lawns, parks, open space, and similar environments.
	18055	Soil Science	18S AG, 18S AH, 18S PS	Soil Science courses involve the study of soil properties, including soil chemistry, biology, fertility, mineralogy, and hydrology. Topics covered may also include soil conservation, irrigation, and management.
	18098	Plant Systems—Workplace Experience	18S AB, 18S AG, 18S AH, 18S PS, 23S WBL	Plant Systems—Workplace Experience courses provide work experience in fields related to plant systems (care, propagation, and processing). Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Animal Systems</b>				
	18101	Animal Production/Science	18S AB, 18S AG, 18S LP	Animal Production/Science courses impart information about the care and management of domestic and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, and marketing. Students may study a particular species (swine, cattle, horses, fowl, sheep, and so on), or they may learn how to care for and maintain livestock as a more inclusive study.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 018 - Agriculture, Food, and Natural Resources

##### Animal Systems

	18102	Small Animal Care	18S AG, 18S LP	Small Animal Care courses focus on the care and management of small animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, facilities, handling and training, and grooming are typical areas of study. Course topics may include kennel operations and sales.
	18103	Large Animal Care	18S AG, 18S LP	Large Animal Care courses focus on the care and management of large animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, facilities, handling and training, and grooming are typical areas of study. Course topics may include product processing and marketing.
	18104	Equine Science	18S AG, 18S LP	Equine Science courses focus on the care and management of horses. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, facilities, handling and training, and grooming are typical areas of study.
	18105	Veterinary Science	18S AG, 18S LP	Veterinary Science courses impart information about the causes, diagnosis, and treatment of diseases and injuries of animals, typically emphasizing domestic and farm animals. Course topics focus on anatomy and physiology, nutrition, behavior, and reproduction, but may also include other areas of study as appropriate.
	18107	Animal Nutrition	18S AG, 18S LP	Animal Nutrition courses provide students with opportunities to study the structure and function of organic and inorganic nutrients. Topics may include the essential nutritive requirements of domestic livestock, poultry, and companion animals; digestion, absorption, metabolism, and barriers for nutrient utilization; sources of nutrients; application of energy systems and concepts; and regulation of feed intake in animals. These courses also teach students how to compare and contrast the nutritional levels for animal maintenance and production.
	18108	Animal Genetics	18S AG, 18S LP	Animal Genetics courses explore genetic inheritance in agricultural animals and the identification of livestock breeds by the origin, significance, distribution, and domestication of animal species. These courses allow students to compare and contrast the hierarchical classification of the major agricultural animal species and identify breeding system options based on the principles of genetics. These courses also address selecting animals based on quantitative breeding values for specific characteristics.
	18109	Integrated Pest Management	18S AG, 18S PS, 18S AH	Integrated Pest Management courses help students develop an understanding of the life cycles of and damage caused by pests, diseases, and weeds. Course topics may include the application of pesticides and/or herbicides to manage pest populations and assessing the effectiveness of pest management plans.
	18148	Animal Systems—Workplace Experience	18S AG, 18S LP, 18S AB, 23S WBL	Animal Systems—Workplace Experience courses provide work experience in fields related to animal systems (management, care, and/or processing). Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

##### Agribusiness

	18201	Agribusiness Management	18S AB, 18S AG	Agribusiness Management courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. These courses may cover topics such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan, employee/employer relations, problem-solving and decisionmaking, commodities, and building leadership skills. These courses may also incorporate a survey of the careers within the agricultural industry.
	18202	Agricultural Entrepreneurship	18S AB, 18S AG, 18S AH, 18S AM, 18S LP, 18S PS	Agricultural Entrepreneurship courses focus on the personal skills necessary for success in entrepreneurial ventures in the agricultural industry. Topics include setting goals, assessing and solving problems, evaluating financial progress and success, business planning, information management and evaluation, and recordkeeping.
	18203	Agricultural Leadership	18S AB, 18S AG, 18S AH, 18S AM, 18S LP, 18S PS	Agricultural Leadership courses help students develop leadership skills with a focus on opportunities in the food, fiber, and natural resources industries. Topics may include but are not limited to human relationships and effective communication, decision-making and problem-solving, leadership qualities and styles, and ensuring successful completion of group activities.
	18205	Agriculture Computers and Technology	18S AG, 18S AM, 18S AB	Agriculture Computers and Technology courses help students develop their knowledge and skills in using computer and other technology to operate and manage agricultural businesses. These courses allow students to use computer hardware, software, and the Internet to find information, record and analyze financial and production data, track market trends and economic forecasts, monitor weather, utilize global positioning systems, and prepare communications and reports.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>018 - Agriculture, Food, and Natural Resources</b>				
<b>Agribusiness</b>				
	18248	Agribusiness—Workplace Experience	18S AB, 18S AG, 23S WBL	Agribusiness—Workplace Experience courses provide work experience in fields related to agribusiness. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Agricultural Production/Processing</b>				
	18301	Agricultural Production	18S AB, 18S AG, 18S LP, 18S AH, 18S AM, 18S PS	Agricultural Production courses combine content related to animal and plant production, providing comprehensive coverage of the production functions of the agricultural industry. These courses typically cover such topics as care and management of farm animals, crop production and harvesting, plant and animal insect and disease control, efficient resource management, and farm management.
	18302	Agricultural Processing	18S AB, 18S AG, 18S AM, 18S AH, 18S PS, 18S LP	Agricultural Processing courses impart the knowledge and skills needed to bring animal and plant products to market. They may cover a wide variety of topics, including care and maintenance of animals or plants, quality selection and preservation, equipment care and sanitation, government regulations, and marketing and consumer trends. Agricultural Processing courses may present an overview of agricultural processing or may specialize in particular types of products.
	18303	Plant Processing	18S AB, 18S AG, 18S PS, 18S AH, 18S LP	Plant Processing courses impart the knowledge and skills needed to bring plant products to market. They may cover a wide variety of topics, including plant production, quality selection and preservation, equipment care and sanitation, government regulations, and marketing and consumer trends. Plant Processing courses may present an overview of product processing or may specialize in specific plant products.
	18304	Animal Processing	18S AB, 18S AG, 18S LP, 18S AM	Animal Processing courses impart the knowledge and skills needed to bring animal products to market. Although these courses may present an overview of animal care and maintenance, they typically emphasize quality selection, product preservation, equipment care and sanitation, government regulations, and marketing and consumer trends. Animal Processing courses may present an overview of several types of animal products or may specialize in particular products, such as meat, leather, wool, dairy products, and so on.
	18305	Food Product Processing	18S AB, 18S AG, 18S AH, 18S AM, 18S LP, 18S PS, 23S FCS, 23S CA	Food Product Processing courses impart the knowledge and skills needed to produce and manufacture food products for the consumer market. These courses focus on food products while covering a variety of topics, such as quality selection and preservation, equipment care and sanitation, government regulations, marketing, consumer trends, and product research and development.
	18306	Aquaculture	18S AB, 18S AG, 18S PS, 18S AH, 18S LP	Aquaculture courses impart the knowledge and skills needed for producing fish, plants, and other species living in an aquatic environment, and course topics typically include the selection, propagation, harvesting, and marketing of those species. Instruction may also address aquatic and marine biology, ecosystems, water quality and management, and business practices.
	18307	Agriculture and Society	18S AB, 18S AG, 18S AH, 18S AM, 18S PS, 18S LP	Agriculture and Society courses provide an overview of the importance of, impact on, and relationships between agricultural endeavors and society at large. These courses typically emphasize economic and environmental factors and impacts (such as urban and agricultural water use) and the influences of society on agricultural endeavors (including production, processing, and distribution). Current technological advances (such as genetic engineering) may also be discussed.
	18308	Agricultural Biotechnology	18S AB, 18S AG, 18S PS, 18S LP, 18S AH	Agricultural Biotechnology courses apply biological principles and understanding to plant and animal science in order to produce or refine agricultural products. Course topics typically include but are not limited to microbiology, genetics, growth and reproduction, structural basis of function in living systems, chemistry of living systems, quantitative problem-solving, and data acquisition and display. These courses also often cover the ethics of biotechnology.
	18309	Particular Topics in Agricultural Production/Processing	18S AG	These courses examine specific topics related to producing and processing agricultural products (such as meat cutting) rather than provide a general study of production or processing.
	18310	Sustainable/Alternative Agriculture	18S AG, 18S PS, 18S AH	Sustainable/Alternative Agriculture courses explore technological and environmental changes and concerns. These courses address alternative approaches to food production including, but not limited to, organics, low-input, natural, and sustainable production methodology and practices. Course content may include comparing the effects of alternative production practices to those of conventional production practices.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>018 - Agriculture, Food, and Natural Resources</b>				
<b>Agricultural Production/Processing</b>				
	18348	Agricultural Production and Processing—Workplace Experience	18S AB, 18S AG, 18S AH, 18S AM, 18S LP, 18S PS, 23S WBL	Agricultural Production and Processing—Workplace Experience courses provide students with work experience in fields related to agricultural production and processing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Agricultural Mechanics and Construction</b>				
	18401	Agriculture Mechanics/Equipment/Structures	18S AG, 18S AM	Agriculture Mechanics/Equipment/Structures courses provide students with the skills and knowledge that are specifically applicable to the tools and equipment used in the agricultural industry. While learning to apply basic industrial knowledge and skills (engine mechanics, power systems, welding, and carpentry, among others), students may explore a broad range of topics, including the operation, mechanics, and care of farm tools and machines; the construction and repair of structures integral to farm operations; a study of electricity and power principles; and safety procedures.
	18402	Agriculture Mechanics and Equipment	18S AG, 18S AM	Agriculture Mechanics and Equipment courses provide students with the engineering and power technology principles, skills, and knowledge that are specifically applicable to the agricultural industry. Typical topics include the operation, maintenance, and repair of power, electrical, hydraulic, and mechanical systems.
	18403	Agriculture Structures	18S AG, 18S AM	Agriculture Structures courses provide students with the skills and knowledge that are specifically applicable to the construction, maintenance, and repair of structures integral to the agricultural industry, including but not limited to animal enclosures, irrigation systems, and storage facilities. In these courses, students typically study design, planning, and construction knowledge and skills (such as survey, carpentry, plumbing, concrete, and electrical systems), in addition to the safe operation of tools and machines.
	18404	Agricultural Metal Fabrication Technology	18S AG, 18S AM, 13S ITE, 13S MCH, 13S MET, 13S WLD, 13S IM	Formerly known as Agriculture Welding, Agricultural Metal Fabrication Technology courses provide students with the skills and knowledge that are specifically applicable to the tools and equipment used in the industry. In learning to apply basic technical knowledge and skills (engines, power, welding, and structures, among others), students may explore a broad range of topics, including the operation, mechanics, and care of tools, technology and machines; the construction and repair of structures integral to agricultural operations; an introduction or review of electricity and power; and safety procedures.
	18405	Particular Topics in Agricultural Mechanics and Construction	18S AG, 18S AM	These courses examine specific topics related to agricultural mechanics and construction, such as specific vehicles or structures, rather than provide a general study of mechanics and construction techniques.
	18406	Water Treatment	18S AG, 18S AM, 18S PS, 13S ITE	Water Treatment courses provide instruction regarding the environmental hazards associated with identifying and accepting waste water disposal. Course topics typically include waste water, the steps in waste water treatment, compliance with applicable regulations, and the use of water-testing instruments and water-treatment equipment to treat wastewater.
	18448	Agricultural Mechanics and Construction—Workplace Exp	18S AG, 18S AM, 23S WBL	Agricultural Mechanics and Construction—Workplace Experience courses provide work experience in fields related to agricultural mechanics and construction. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Natural Resources</b>				
	18501	Wildlife and Recreation Management	18S AG, 18S AB	Formerly known as Wildlife Management, Wildlife and Recreation Management courses provide students with the opportunity to understand and appreciate the importance of maintaining the land and ecological systems that enable nondomesticated animals to thrive. These courses emphasize how humans and animals may both take advantage of the same land or how to gain economic benefits from the land while not degrading its natural resources or depleting plant or animal populations. Students may also learn how to manage wildlife and lands for recreational purposes.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

Secondary Courses				
Grade	Code	Course Name	Endorsements	Description
<b>018 - Agriculture, Food, and Natural Resources</b>				
<b>Natural Resources</b>				
	18502	Forestry Management	18S AG, 18S PS, 18S AH	Formerly known as Forestry, Forestry Management courses provide students with the information and experience necessary for the cultivation, management, and care of forests or timberlands. These courses cover topics such as the processes of regeneration and reforestation, harvesting and conservation of natural resources, erosion and pest control, trail development and maintenance, mapping and surveying, operation of forestry tools, government regulations, environmental stewardship, and urban forestry, including the principles of selecting, planting, and caring for trees in urban settings. Settings may include streets, parks, commercial/industrial landscape settings, and recreational use of forests. These courses also address forestry harvesting and methods to manage, protect, and harvest timber stands and specialty forest crops; equipment maintenance and repair; the selection, planting, transplanting, and harvesting of trees; forest management; and safety procedures.
	18504	Natural Resources Management	18S AG, 18S AB	Natural Resources Management courses combine the fields of ecology and conservation with planning for the efficient use and preservation of land, water, wildlife, and forests. Within the general area of natural resources management, these courses usually cover specific topics and uses, such as hunting or fishing preserves, forest production and management, wildlife preservation, and human outdoor recreation.
	18506	Alternative Energy	18S AG, 13S ITE	Alternative Energy courses help students identify renewable and nonrenewable energy sources and natural resources. Topics typically include alternative energy sources and their respective advantages and disadvantages; the impact of conventional and alternative energy sources on the environment; the efficiency of energy production from various sources; and careers in the fields of alternative energy and sustainability.
	18548	Natural Resources—Workplace Experience	18S AB, 18S AG, 18S AH, 18S AM, 18S PS, 23S WBL	Natural Resources—Workplace Experience courses provide students with work experience in fields related to natural resources. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>All Others</b>				
	18993	Agriculture, Food, and Natural Resources—School-based Enterprise	18S AG, 18S AB, 18S AH, 18S AM, 18S LP, 18S PS, 23S WBL	Agriculture, Food, and Natural Resources—School-based Enterprise courses provide students the opportunity to learn about and manage an entrepreneurial operation related to agriculture, food, and natural resources within a school setting. Students will develop interpersonal and professional skills. Topics may include operations, product services management, pricing, distribution, and marketing.
	18994	Agriculture, Food, and Natural Resources—Career Project-based Learning	18S AG, 18S AB, 18S AH, 18S AM, 18S LP, 18S PS, 23S WBL	Agriculture, Food, and Natural Resources—Career Project-based Learning courses provide students with an introduction to careers in the agriculture, food, and natural resources field. Students will work in cooperation with local businesses, community organizations, or non-profit agencies to explore and solve real-world problems that could arise in the workplace. These courses occur in a classroom setting and typically do not include work in the field.
	18998	Agriculture, Food, and Natural Resources—Workplace Exp	18S AG, 23S WBL	Agriculture, Food, and Natural Resources—Workplace Experience courses provide students with work experience in fields related to agriculture, food, and natural resources. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
Grade	Code	Course Name	Endorsements	Description
<b>019 - Human Services</b>				
<b>All Others</b>				
	19001	Human Services Career Exploration	23S FCS, 33S DCCOU, 33S DCHUM, 23S ECE	Human Services Career Exploration courses introduce and expose students to the career opportunities pertaining to the provision of personal and consumer services for other human beings. Course topics vary and may include (but are not limited to) caring for others, education, cosmetology, apparel/textiles, entrepreneurship, labor laws, and customer service. Course activities depend upon the careers being explored.
	19993	Human Services—School-based Enterprise	23S FCS, 23S WBL	Human Services—School-based Enterprise courses provide students the opportunity to learn about and manage an entrepreneurial operation related to human services within a school setting. Students will develop interpersonal and professional skills. Topics may include operations, product services management, pricing, distribution, and marketing.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 019 - Human Services

##### All Others

	19994	Human Services—Career Project-based Learning	23S FCS, 23S WBL	Human Services—Career Project-based Learning courses provide students with an introduction to careers in the human services field. Students will work in cooperation with local businesses, community organizations, or non-profit agencies to explore and solve real-world problems that could arise in the workplace. These courses occur in a classroom setting and typically do not include work in the field.
	19998	Human Services—Workplace Experience	23S FCS, 23S WBL	Human Services—Workplace Experience courses provide students with work experience in a field related to the provision of human services. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

#### Child and Elder Care

	19051	Child Care	23S FCS, 23S ECE, 33S DCHUM	Child Care courses provide students with knowledge about the physical, mental, emotional, and social growth and development of children from birth through childhood. Main topics include the fundamentals of working with infants, toddlers, and older children; providing healthy environments; evaluating child care settings; and the practices, regulations, and opportunities in the child care industry. Often, Child Care courses provide students with practical experience in a child care center. Advanced topics may include various learning theories; development of activities; operation of a child care center; recognition of childhood diseases, abuse, and neglect; and first aid/emergency training.
	19052	Child Development	23S FCS, 23S ECE, 33S DCHUM	Child Development classes provide students with knowledge about the physical, mental, emotional, and social growth and development of children from conception to pre-school age, emphasizing the application of this knowledge in child care settings. These courses typically include related topics such as the appropriate care of infants, toddlers, and young children.
	19053	Elder Care	23S FCS, 33S DCHUM	Elder Care courses emphasize the care of human beings as they grow older. These courses involve the study of the biological, physiological, social, and psychological needs and concerns of the elderly, and deal with the aging process, death, and dying in a realistic manner. Elder Care courses may cover work and personal habits appropriate to the field, and may also offer the opportunity to explore various careers.
	19054	Child and Adult Care Services	23S FCS, 33S DCHUM, 23S ECE	Formerly known as Caregiving Service, Child and Adult Care Services courses emphasize the care of human beings who are unable or who need assistance to care for themselves. These courses involve the study of the biological, physiological, social, and psychological needs and concerns of young children, the elderly, and/or the disabled. Additional topics may include economic and legal issues, planning daily routines; appropriate environments and activities; growth and aging processes; and techniques for managing a center or working in others' homes.
	19098	Child and Elder Care—Workplace Experience	23S FCS, 23S WBL, 23S ECE	Child and Elder Care—Workplace Experience courses provide students with work experience in fields related to caring for others. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

#### Education

	19101	Cosmetology—Licensing		Cosmetology—Licensing courses provide students with the knowledge and skills applicable to the care of hair, skin, and nails, and prepare students for the state's Board of Cosmetology examinations. Almost always a series of courses with a specified number of instructional hours, Cosmetology—Licensing courses also require applied experience. Course content covers such topics as human anatomy and skin conditions, chemistry and bacteriology, sanitation and sterilization, state laws and regulations, and shop management. These courses provide students with experiences in shampooing, cutting, styling, bleaching, coloring, tinting, waving, and relaxing hair and providing facials and manicures.
	19102	Barbering		Barbering courses provide students with the skills and experience to shave, style, and trim mustaches and beards and to cut, shampoo, and style hair. Course topics include hygiene, skin and scalp disease, and use of equipment. Barbering courses may aim to prepare students for the state's licensing examinations, and may include topics similar to those included in Cosmetology courses.
	19103	Hair Styling		Hair Styling courses provide students with the skills and experience to cut, shampoo, and style hair. Course topics include hygiene, skin and scalp disease, and use of equipment. These courses provide students with experiences in shampooing, cutting, styling, bleaching, coloring, tinting, waving, and relaxing hair.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 019 - Human Services

##### Education

	19104	Cosmetology—Non-licensing	23S FCS	Cosmetology—Non-licensing courses provide students with the knowledge and skills applicable to the care of hair, skin, and nails, but do not necessarily prepare students for the state’s Board of Cosmetology examinations. Students gain experience in hair care, facials, and manicures; course topics usually include human anatomy, sanitation and sterilization, and related chemistry and bacteriology. Shop management and state regulations may also be included.
	19105	Cosmetology—Nail Specialization		Cosmetology—Nail Specialization courses offer students experience in providing manicures, pedicures, and nail extension treatments. These courses may also include topics such as hygiene, entrepreneurship, human relations, and other related subject matter.
	19106	Cosmetology—Facial Specialization		Cosmetology—Facial Specialization courses offer students information and experience related to skin care, the provision of facials, make-up application, and facial massage. These courses may also include topics such as hygiene and sanitation, human anatomy and skin conditions, entrepreneurship, and/or human relations.
	19148	Cosmetology—Workplace Experience		Cosmetology—Workplace Experience courses provide students with work experience in the cosmetology field. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
	19151	Teaching Profession	23S FCS, 23S TE, 12S BUS, 13S ITE, 18S AG, 33S DCHUM, 33S ECE	Teaching Profession courses introduce students to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information. These courses typically expose students to and train them in classroom management, student behavior, leadership and human relations skills, assessment of student progress, teaching strategies, and various career opportunities in the field of education.
	19152	Educational Methodology	23S FCS, 23S TE, 33S DCHUM, 33S ECE, 18S AG, 13S ITE	Educational Methodology courses prepare students to teach and guide others. These courses typically provide opportunities for students to develop their own teaching objectives, to design lesson plans, and to experience teaching in a controlled environment. Students examine and practice teaching strategies, learning styles, time management and planning strategies, presentation and questioning skills, classroom management, and evaluation techniques.
	19153	Teaching—Early Childhood Education	23S FCS, 33S DCHUM, 33S ECE, 23S ECE	Formerly known as Early Childhood Education, Teaching—Early Childhood Education courses address child development and education issues, so that students can guide the development of children in educational settings. These courses typically include the planning and implementing of developmentally appropriate learning activities, health and safety practices, safe learning environments, and legal requirements for teaching young children.
	19155	Instructional Technology	23S FCS, 23S TE	Instructional Technology courses address the implementation of technical devices and processes that are used to improve and facilitate learning. Content includes, but is not limited to, productivity tools, interactive multimedia, communications, educational software and hardware, instructional applications, and ethical, legal, social, and professional issues.
	19198	Education—Workplace Experience	23S FCS, 23S TE, 23S WBL	Education—Workplace Experience courses provide students with work experience in fields related to education. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

##### Apparel and Furnishings

	19201	Clothing and Textiles	23S FCS, 33S DCHUM, 23S TEX	Clothing and Textiles courses introduce students to and expand upon the various aspects of apparel, garment construction, and the textile industry, conveying the commercial application of design principles, production processes, and maintenance techniques. These courses usually address the selection, characteristics, care, and repair of various textiles; operation and care of commercial sewing machines; design, construction, and production of fabrics and/or garments; and career opportunities in the garment or textile industry.
	19202	Clothing/Textile Maintenance	23S FCS, 33S DCHUM, 23S TEX	Clothing/Textile Maintenance courses provide students with the knowledge and skills to clean, care for, and maintain clothing and textiles. Course topics typically include dry cleaning and laundering techniques, identifying fabrics and the optimal cleaning agents and processes, instruction in altering and repairing garments, and the safe use of the equipment, tools, and agents.
	19203	Apparel Construction	23S FCS, 33S DCHUM, 23S TEX	Apparel Construction courses provide students with the knowledge and skill to construct, alter, and repair clothing and textile products. Course topics typically include taking measurements, creating and preparing patterns, and various sewing techniques; topics may also include customer service, fashion design principles, and business management. These courses may also offer specialized knowledge in a particular type of garment.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>019 - Human Services</b>				
<b>Apparel and Furnishings</b>				
	19204	Apparel and Textile Services	23S FCS, 33S DCHUM, 23S TEX	Apparel and Textile Services courses introduce students to and expand upon various services that concern the care and maintenance of apparel, textiles, and furnishing. Course topics may include upholstery, dry cleaning, commercial sewing, and tailoring.
	19205	Home Furnishing	23S FCS, 33S DCHUM	Home Furnishing courses provide students with basic knowledge regarding furnishing and decorating home environments. While exploring design principles, personal needs and style, and decision-making, students may also explore the following topics: color, texture, furniture styles and arrangement, lighting, window treatments, floor and wall coverings, and home improvement/modification. Home Furnishing courses may also cover architectural style and design and take a larger look at housing problems or current housing issues.
	19206	Home Furnishings Production	23S FCS, 33S DCHUM	Home Furnishings Production courses enable students to plan, select, and construct upholstery, slip covers, draperies and other window treatments, and other home accessories. Some courses may emphasize upholstery exclusively. Course content typically includes proper use of equipment, interior decorating principles, and employability skills.
	19248	Apparel and Furnishings—Workplace Experience	23S FCS, 23S WBL, 23S TEX	Apparel and Furnishings—Workplace Experience courses provide students with work experience in fields related to apparel, textiles, and furnishings. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Family and Consumer Science</b>				
	19202	Clothing/Textiles Maintenance	23S FCS, 33S DCHUM, 23S TEX	Clothing/Textile Maintenance courses provide students with the knowledge and skills to clean, care for, and maintain clothing and textiles. Course topics typically include dry cleaning and laundering techniques, identifying fabrics and the optimal cleaning agents and processes, instruction in altering and repairing garments, and the safe use of the equipment, tools, and agents.
<b>Family and Consumer Sciences</b>				
	19251	Family and Consumer Sciences—Comprehensive	23S FCS	Family and Consumer Sciences—Comprehensive courses help students to develop the knowledge and skills that are used to manage one’s family and career efficiently and productively. Course topics typically include foods and nutrition; apparel; child care and development; housing, interior design, and maintenance; consumer decisions; personal financial management; interpersonal relationships; and careers available in family and consumer sciences.
	19252	Food Preparation and Health Management	23S FCS, 33S DCHUM	Formerly known as Food and Nutrition, Food Preparation and Health Management courses provide students with an understanding of food’s role in society, instruction in how to plan and prepare meals, and information about the nutritional and health benefits of minimizing processed and prepared food and prepackaged/prepared meals from one’s diet. These courses not only build on the basic skills of food preparation but also address financial considerations and recipe conversion to make foods healthier. Some courses place a heavier emphasis on a balanced diet, while others concentrate on specific types of food preparation (such as low sodium, low fat, or increased whole foods). These courses will also address current issues such as organic foods and vegan cooking.
	19253	Nutrition and Wellness	23S FCS, 33S DCHUM	Nutrition and Wellness courses focus on how physical, mental, social, psychological, and emotional wellness are related to food, food selection, and health. Topics typically include dietary needs across one’s lifespan, stress management, special dietary issues, and eating disorders as well as societal and genetic health issues that are addressed through the prevention education component of the class. Other topics covered range from healthy food selection, label reading, and diet analysis to understanding additives, making wise food choices, and dealing with food allergies.
	19254	Food Science	23S FCS, 33S DCHUM	Food Science courses offer opportunities for students to study the composition, structure, and properties of foods and their components as well as the consumption of food and the chemical changes that occur during the processing, storage, preparation, and consumption of food for the consumer. These courses often explore the effects of various materials, microorganisms, and processes on food products through laboratory experiments and can address food innovations to meet the needs of society. Culinary techniques and the safe handling of food in the home environment are commonly included.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>019 - Human Services</b>				
<b>Family and Consumer Sciences</b>				
	19255	Child Development/Parenting	23S FCS, 33S DCHUM	Child Development/Parenting courses provide students with knowledge about family systems and relationships and information about how parents can address the physical, mental, emotional, and social growth and development of children from conception to adolescence. In addition, these courses help students discover how parents should respond to the various stages of childhood. Course content typically includes topics such as prenatal development and birth processes, responsibilities and difficulties of parenthood, family structures, societal and cultural influences, fundamentals of children's emotional and physical development, and the appropriate care of infants, toddlers, and young and school-aged children. These courses may also cover topics specific to teen parenting.
	19256	Clothing/Sewing	23S FCS, 33S DCHUM, 23S TEX	Clothing/Sewing courses introduce students to and expand their knowledge of various aspects of wearing apparel, sewing, and fashion. These courses typically include wardrobe planning; selection, care, and repair of various materials; and construction of one or more garments. They may also include related topics, such as fashion design and history, the social and psychological aspects of clothing, careers in the clothing industry, and craft sewing.
	19257	Life Skills	23S FCS, 33S DCHUM	Life Skills courses provide students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. These courses often emphasize process skills, including goal-setting, decision making, and other topics such as the setting of priorities, money and time management, interpersonal relationships, and the development of the self. Additionally, specific topics such as wellness, selecting and furnishing houses, meeting transportation needs, nutrition, preparing food, selecting clothing and building a wardrobe, insurance, taxation, and consumer protection may also be covered.
	19258	Personal and Career Readiness	23S FCS, 33S DCHUM	Formerly known as Self-Management, Personal and Career Readiness courses introduce students to the skills and strategies that are helpful in becoming more focused, productive individuals, wage earners, and family members. These courses typically emphasize goal-setting; decision making; managing time, energy, and stress; and identifying alternatives and coping strategies. They may also allow students to explore various career and lifestyle choices.
	19259	Family and Interpersonal Relationships	23S FCS, 33S DCHUM	Formerly known as Family Living, Family and Interpersonal Relationships courses emphasize building and maintaining healthy interpersonal relationships among family members and other members of society. These courses often emphasize (but are not limited to) topics such as the responsibilities of a family and wage earner, balancing a career and personal life, human sexuality and reproduction, marriage preparation, parenthood and the function of the family unit, the family life cycle, and life stages. They also cover topics related to stages of growth and social/dating practices.
	19260	Personal Development	23S FCS, 33S DCHUM, 33S DCHUM	Personal Development courses emphasize strengthening self-esteem, recognizing and resisting negative peer pressure, and developing coping skills for dealing with life and career issues and changes (such as family changes). These courses include communication, conflict resolution, practical problem-solving, and decision making. They may also include building resiliency skills and asset building.
	19261	Human Growth and Development	23S FCS	Human Growth and Development courses focus on the application of human development theories and stages of growth to the relationships among individuals at various stages of life, as well as provide an understanding of how people change across their lifespans. Course content may include the application of human development theories in family systems and community settings. Interactions of grandparents and their grandchildren, adult children and their aging parents, as well the similarities between caring for the elderly and caring for young children may also be explored.
	19262	Consumer Economics/Personal Finance	23S FCS, 12S BUS, 12S BM, 33S DCHUM	Consumer Economics/Personal Finance courses provide students with an understanding of the concepts and principles involved in managing one's personal finances. These courses emphasize lifespan goal-setting, individual and family decision making, and consumer rights as well as topics that are commonly associated with personal finance so that one can become a financially responsible consumer. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also investigate the effects of the global economy on consumers and the family.
	19263	Home Environments and Design	23S FCS, 33S DCHUM	Formerly known as Home Décor, Home Environments and Design courses provide students with knowledge and skills regarding interior design and decoration of the home for the individual or family. While exploring design principles, personal needs and style and decision making, students may have an opportunity to explore such topics as color, texture, furniture styles and arrangement, lighting, window treatments, floor, wall coverings and home improvement/modification. These courses emphasize personal (rather than commercial) use and application of home décor principles.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 019 - Human Services

##### Family and Consumer Sciences

	19298	Family and Consumer Sciences—Workplace Experience	23S FCS, 23S WBL	Family and Consumer Sciences—Workplace Experience courses provide students with work experience in a fields related to family and consumer sciences. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
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Grade	Code	Course Name	Endorsements	Description
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#### 020 - Transportation, Distribution, and Logistics

##### Operation

	20051	Truck and Bus Driving	20S HEO, 31A TRE	Truck and Bus Driving courses instruct students in the proper and safe handling and operation of trucks and buses. Strategies for driving in hazardous conditions, observing laws and regulations, loading cargo or passengers, documenting cargo loads, and expectations of driving careers are all typical course topics.
	20052	Heavy Equipment Operation	20S HEO, 13S ITE, 20S DM, 20S HEM	Heavy Equipment Operation courses enable students to safely operate the heavy equipment used for mining, construction, and utility industries. Typically, courses also include light maintenance principles and techniques.
	20053	Aviation	20S AV, 13S ITE	Aviation courses provide students with an understanding of the science of flight and typically include the history, regulations, and possible career paths within the aviation industry. Aviation courses usually cover physics, the relationships of weight and balance, principles of navigation and flight control, ground and airport operations and services, and Federal Aviation Agency regulations.

##### Mechanics and Repair

	20101	Energy/Power	13S ITE, 17S BT, 20S ATT, 21S ENG, 13S IM, 20S ATB, 20S DM	Energy/Power courses focus on one or several aspects of energy and power in transportation and work. Course content may include various sources of energy and their use in society (for example, characteristics, availability, conversion, storage, environmental impact, and socioeconomic aspects of various energy sources); principles involved in various means of energy transfer, such as electricity/electronics, hydraulics, pneumatics, heat transfer, and wind/nuclear/solar energies; and the transmission and control of power through mechanical or electrical devices such as motors and engines.
	20102	Power and Mechanics	13S ITE, 20S ATT, 21S ENG, 20S ATB, 20S DM, 20S HEM, 13S IM, 20S SE, 20S HEO, 20S AV	Power and Mechanics courses enable students to understand the principles underlying various kinds of mechanics (aircraft, auto, diesel, and marine) and how energy is converted, transmitted, and controlled. Topics typically include maintaining and servicing machines, engines, and devices while emphasizing energy sources, electricity, and power transmission. The courses may also provide information on career opportunities within the field of mechanics and/or transportation.
	20103	Introduction to Automobiles	13S ITE, 20S ATT, 20S SE, 20S ATB	Primarily intended as a personal automobile mechanics course, but also useful for students exploring future careers in automotive technologies, Introduction to Automobiles courses expose students to the various mechanical systems in automobiles and provide basic experience in maintenance tasks. The course may also cover career opportunities in the automotive and/or transportation fields.
	20104	Automotive Mechanics—Comprehensive	13S ITE, 20S ATT, 13S IM	Automotive Mechanics—Comprehensive courses emphasize the diagnosis and repair of automobile engines and support systems such as brakes, cooling, drive trains, electrical/electronics components, emission, fuel, ignition, steering, suspension, and transmissions. Course topics often include the comprehension and use of repair manuals, safety, and employability skills (including shop management and entrepreneurship).
	20106	Automotive Service	13S ITE, 20S ATT	Automotive Service courses emphasize preventative auto maintenance and automobile troubleshooting. Course content typically includes tune-up, oil change, and lubrication skills; tire replacement, alignment, and balancing; and basic knowledge of brake, cooling, electrical, emission, fuel, ignition, steering, suspension, and transmission systems. These courses may also include public relations, sales techniques, and service station management.
	20107	Diesel Mechanics—Comprehensive	20S DM, 13S ITE, 20S HEM	Diesel Mechanics—Comprehensive courses prepare students to maintain and repair diesel engines and related systems. Specific course topics may include principles underlying diesel engines, analyzing electrical circuits and systems, troubleshooting and repairing cooling systems, testing and repairing air conditioning charging systems, reading and interpreting service manuals, and identifying the principles and components of fuel injection systems. Courses may also cover safety, employability skills, and entrepreneurship.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>020 - Transportation, Distribution, and Logistics</b>				
<b>Mechanics and Repair</b>				
	20109	Small Vehicle Mechanics	13S ITE, 20S ATT, 20S SE	Small Vehicle Mechanics courses equip students with the knowledge and skill to repair and maintain engines in small vehicles (e.g., motorcycles, all-terrain vehicles, snowmobiles, and mopeds). Topics include (but are not limited to) maintaining frames and suspension, wheels and brakes, and drive trains; servicing fuel, exhaust, and electrical systems; performing tune-ups; and maintaining and repairing engines. Students may also learn safety on the job, employability skills, and entrepreneurship.
	20110	Small Engine Mechanics	20S ATT, 20S SE, 13S ITE, 13S IM	Small Engine Mechanics courses provide students with the opportunity to learn how to service and recondition small engines, typically emphasizing two- and four-cycle engines. These courses provide students with opportunities to troubleshoot and repair speed controls, lubrication, ignition, fuel, power transfer, cooling, exhaust, and starting systems; use hand, power, and overhaul tools; and read and interpret service manuals and parts' catalogs. Applications may include lawn mowers, tractors, tillers, power tools, and so on.
	20112	Heavy Equipment Mechanics	20S HEM, 13S ITE, 20S DM	Heavy Equipment Mechanics courses include the service and repair of electrical, mechanical, power transfer, hydraulic, fuel, and cooling systems of heavy equipment such as that used in mining, construction, and utility industries.
	20113	Aircraft Power Plant	20S AV, 13S ITE	Aircraft Power Plant courses provide students with the information necessary to troubleshoot, test, repair, and install aircraft engines. Course content usually includes engine ignition, electrical, lubrication, cooling, exhaust, and fuel systems, along with aircraft instrumentation and safety features.
	20114	Aircraft Airframe	20S AV, 13S ITE	Aircraft Airframe courses offer students information and instruction related to the structure and mechanics of aircraft, typically including hydraulic, pneumatic, instrumental, fuel, electrical, cabin atmosphere, and landing gear systems. Aircraft Airframe courses may also cover aircraft metals and coverings and related welding skills.
	20115	Automotive Detailing and Reconditioning	20S ATB, 13S ITE	Automotive Detailing and Reconditioning courses provide students with knowledge and skills related to repairing, refinishing, and detailing automobiles. Course topics typically include painting and refinishing, plastics and adhesives, damage analysis, and repair, in addition to occupational safety, employability, and entrepreneurship skills.
	20116	Automotive Body Repair and Refinishing—Comprehensive	20S ATB, 13S ITE	Automotive Body Repair and Refinishing courses provide students with knowledge and skills regarding the repair and refinishing of damaged or used cars. Course content may include (but is not limited to) stretching and shrinking auto body sheet metal; welding skills; frame and metal straightening; repair of fiberglass and synthetic materials; removing, repairing, and installing auto body parts such as panels, hoods, doors, and windows/glass; preparing vehicles and vehicle surfaces for refinishing; painting; applying body fillers; and estimating material and labor costs.
	20119	Hybrid Engines	13S ITE, 20S ATT	Hybrid Engines courses introduce students to the fundamentals of hybrid electric vehicles. These courses explore the hybrid power plant and may include such topics as hybrid batteries, high- and low-voltage systems, inverters, safety procedures, hybrid maintenance and diagnostics, and alternative fuels.
	20120	Motorsports Technology	20S ATT, 20S SE, 13S IM, 13S ITE	Motorsports Technology courses provide students with an understanding of the principles of race car fabrication and all facets of the racing industry. Technical aspects of the courses may include skill development in vehicle assembly of high-performance engines and components using specialty tools, welding, and auto body procedures. Course content may also explore the motorsports technology industry, address safety issues, and identify careers in the field.
	20148	Mechanics and Repair—Workplace Experience	13S ITE, 20S ATT, 20S DM, 20S SE, 23S WBL, 20S ATB	Mechanics and Repair—Workplace Experience courses provide students with work experience in fields related to the maintenance of vehicles and engines. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>All Others</b>				
	20151	Distribution—Comprehensive	13S ITE, 17S BT	Distribution—Comprehensive courses provide students with knowledge and skills related to the safe and efficient delivery of commodities to various markets. Course content typically includes the comparative advantages of various forms of transportation, distribution networks, processes for tracking large shipments of material, transportation of goods in a safe and secure manner, and packaging.
	20152	Warehouse Operations	13S ITE, 17S BT	Warehouse Operations courses convey the principles and processes underlying the receiving, loading and unloading, tracking, and storing of large quantities of materials. Course topics typically include a variety of logistical implications for moving materials by several different modes of transportation, safety and security, and appropriate storage techniques.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 020 - Transportation, Distribution, and Logistics

##### All Others

	20993	Transportation, Distribution, and Logistics—School-based Enterprise	13S ITE, 20S ATB, 20S ATT, 20S DM, 20S HEO, 20S SE, 23S WBL	Transportation, Distribution, and Logistics—School-based Enterprise courses provide students the opportunity to learn about and manage an entrepreneurial operation related to transportation, distribution, and logistics within a school setting. Students will develop interpersonal and professional skills. Topics may include operations, product services management, pricing, distribution, and marketing.
	20994	Transportation, Distribution, and Logistics—Career Project-based Learning	13S ITE, 20S ATB, 20S ATT, 20S DM, 20S HEO, 20S SE, 23S WBL	Transportation, Distribution, and Logistics—Career Project-based Learning courses provide students with an introduction to careers in the transportation, distribution, and logistics field. Students will work in cooperation with local businesses, community organizations, or non-profit agencies to explore and solve real-world problems that could arise in the workplace. These courses occur in a classroom setting and typically do not include work in the field.

Grade	Code	Course Name	Endorsements	Description
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#### 021 - Engineering and Technology

##### Engineering

	21001	Pre-Engineering Technology	13S ITE, 21S ENG, 17S DRF	Pre-Engineering Technology courses integrate technology-oriented applications of mathematics and science into pre-engineering activities for students. Course topics may include material sciences, technology processes, enterprises, and career opportunities.
	21003	Engineering Technology	13S ITE, 21S ENG	Engineering Technology courses provide students with the opportunity to focus on one or more areas of industrial technology. Students apply technological processes to solve real engineering problems; develop the knowledge and skills to design, modify, use, and apply technology; and may also design and build prototypes and working models. Topics covered in the course include the nature of technology, use of technology, and design processes.
	21006	Engineering Design	13S ITE, 21S ENG, 17S DRF	Engineering Design courses offer students experience in solving problems by applying a design development process. Often using solid modeling computer design software, students develop, analyze, and test product solutions models as well as communicate the features of those models.
	21007	Engineering Design and Development	02S MAT, 13S ITE, 21S ENG	Engineering Design and Development courses provide students with the opportunity to apply engineering research principles as they design and construct a solution to an engineering problem. Students typically develop and test solutions using computer simulations or models but eventually create a working prototype as part of the design solution.
	21008	Digital Electronics	13S ITE, 21S ENG	Digital Electronics courses teach students how to use applied logic in the development of electronic circuits and devices. Students may use computer simulation software to design and test digital circuitry prior to the actual construction of circuits and devices.
	21010	Computer Integrated Manufacturing	13S ITE, 21S ENG	Computer Integrated Manufacturing courses involve the study of robotics and automation. Building on computer solid modeling skills, students may use computer numerical control (CNC) equipment to produce actual models of their three-dimensional designs. Course topics may also include fundamental concepts of robotics, automated manufacturing, and design analysis.
	21011	Civil Engineering	13S ITE, 21S ENG	Civil Engineering courses expose students to the concepts and skills used by urban planners, developers, and builders. Students may be trained in soil sampling and analysis, topography and surveying, and drafting or blueprint-reading. Additional course topics may include traffic analysis, geologic principles, and urban design.
	21012	Civil Engineering and Architecture	13S ITE, 21S ENG	Civil Engineering and Architecture courses provide students with an overview of the fields of Civil Engineering and Architecture while emphasizing the interrelationship of both fields. Students typically use software to address real world problems and to communicate the solutions that they develop. Course topics typically include the roles of civil engineers and architects, project-planning, site-planning, building design, project documentation, and presentation.
	21013	Aerospace Engineering	13S ITE, 21S ENG	Aerospace Engineering courses introduce students to the world of aeronautics, flight, and engineering. Topics covered in the course may include the history of flight, aerodynamics and aerodynamics testing, flight systems, astronautics, space life systems, aerospace materials, and systems engineering.
	21014	Biotechnical Engineering	13S ITE, 21S ENG	Biotechnical Engineering courses enable students to develop and expand their knowledge and skills in biology, physics, technology, and mathematics. Course content may vary widely, drawing upon diverse fields such as biomedical engineering, biomolecular genetics, bioprocess engineering, agricultural biology, or environmental engineering. Students may engage in problems related to biomechanics, cardiovascular engineering, genetic engineering, agricultural biotechnology, tissue engineering, biomedical devices, human interfaces, bioprocesses, forensics, and bioethics.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>021 - Engineering and Technology</b>				
<b>Engineering</b>				
	21017	PLTW Introduction to Engineering Design	13S ITE, 21S ENG	Following Project Lead the Way's suggested curriculum, PLTW Introduction to Engineering Design courses provide an opportunity for students to become involved in hands-on projects that require mathematics, science, and engineering applications. In these courses, students review problems, document work in an engineering notebook, and design solutions using 3D modeling software.
	21018	PLTW Principles of Engineering	13S ITE, 21S ENG	Following Project Lead the Way's suggested curriculum, PLTW Principles of Engineering courses focus on solving a wide range of engineering problems. Topics such as mechanisms, structure and material strength, robotics, and automation are explored as students research, strategize, and document the design process.
	21019	PLTW Aerospace Engineering	13S ITE, 21S ENG	Following Project Lead the Way's suggested curriculum, PLTW Aerospace Engineering courses are designed to teach students the fundamentals of atmospheric and space flight. These courses emphasize physics and robot system concepts by focusing on the design of an airfoil, propulsion systems, rockets, and remotely operated vehicles. Course content may include the study of orbital mechanics using industry-standard software.
	21021	PLTW Civil Engineering and Architecture	13S ITE, 21S ENG	Following Project Lead the Way's suggested curriculum, PLTW Civil Engineering and Architecture courses focus on building and site design and development. In these courses, students use 3D architecture design software and apply mathematics, science, and standard engineering projects to create residential and commercial designs.
	21022	PLTW Computer Integrated Manufacturing	13S ITE, 21S ENG	Following Project Lead the Way's suggested curriculum, PLTW Computer Integrated Manufacturing courses introduce students to high-tech innovations related to modern manufacturing. These courses emphasize manufacturing processes, product design, robotics, and automation.
	21023	PLTW Digital Electronics	13S ITE, 21S ENG	Following Project Lead the Way's suggested curriculum, PLTW Digital Electronics courses introduce students to digital circuits in appliances and mobile devices. Course topics include combinational and sequential logic, logic gates, integrated circuits, programmable logic devices, along with other circuit design tools.
	21024	PLTW Environmental Sustainability	13S ITE, 21S ENG	Following Project Lead the Way's suggested curriculum and using hands-on activities and simulations, PLTW Environmental Sustainability courses help students investigate and design solutions in response to real-world challenges related to supply and access to drinking water, food supply issues, and renewable energy.
	21025	PLTW Engineering Design and Development	13S ITE, 21S ENG	Following Project Lead the Way's curriculum, the PLTW Engineering Design and Development course is a capstone course for the PLTW Engineering program. Students use knowledge obtained in previous courses to identify an issue and research and design a solution. Students may present the results of their solution to a panel of engineers.
	21026	PLTW Engineering Essentials	13S ITE, 21S ENG	Following Project Lead the Way's suggested curriculum, PLTW Engineering Essentials courses focus on introducing students to engineering-related career opportunities. Students learn about engineers and how their work is used to solve real-world problems. Topics include the engineering design process, machines and mechanical systems, energy forms, and the application of geographic information systems and modeling software.
	21048	Engineering—Workplace Experience	13S ITE, 21S ENG, 23S WBL	Engineering—Workplace Experience courses provide students with work experience in an engineering-related field. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
	21059	Modeling and Simulation Technology	13S ITE, 21S ENG, 17S DRF	Modeling and Simulation Technology courses allow students to explore the use of modeling, simulation, and game development software to solve real-world problems in science, technology, engineering, and mathematics (STEM). These courses typically address the systems, processes, tools, and implications of the field of modeling and simulation technology. Courses topics may also include evaluating and testing engineering designs, modeling geospatial data, observing and analyzing physics simulations, programming games for educational purposes, and creating visualization systems with 3D models.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>021 - Engineering and Technology</b>				
<b>Administration</b>				
	21009	Robotics		Robotics courses develop and expand students' skills and knowledge so that they can design and develop robotic devices. Topics covered in the course may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers.
<b>Technology</b>				
	21051	Technological Literacy	12S BUS, 12S CIS, 13S ITE, 10S CS	Technological Literacy courses expose students to the communication, transportation, energy, production, biotechnology, and integrated technology systems and processes that affect their lives. The study of these processes enables students to better understand technological systems and their applications and uses.
	21053	Emerging Technologies	12S BUS, 12S CIS, 13S ITE, 10S CS, 20S AV	Emerging Technologies courses emphasize students' exposure to and understanding of new and emerging technologies. The range of technological issues varies widely but typically include lasers, fiber optics, electronics, robotics, computer technologies, CAD/CAM, communication modalities, and transportation technologies.
	21054	Technology Innovation and Assessment	12S CIS, 13S ITE, 21S ENG, 12S BUS, 10S CS, 20S AV	Technology Innovation and Assessment courses use engineering design activities to help students understand how criteria, constraints, and processes affect design solutions and provide students with the skills to systematically assess technological developments or solutions. Course topics may include brainstorming, visualizing, modeling, simulating, constructing, testing, and refining designs.
	21055	Aerospace Technology	13S ITE, 20S AV	Aerospace Technology courses introduce students to the technology systems used in the aerospace industry and their interrelationships. Examples of such systems include satellite communications systems, composite materials in airframe manufacturing, space station constructions techniques, space shuttle propulsion systems, aerostatics, and aerodynamics.
	21057	Laser/Fiber Optics	13S ITE	Laser/Fiber Optics courses cover the history, safety, and theory of laser light and laser systems. In these courses, various laser system configurations and operations are examined.
	21058	Geospatial Technology	18S AG, 18S AM, 13S ITE	Geospatial Technology courses provide students with experiences pertaining to the study of geographic information systems (GIS), global positioning systems (GPS), remote sensing (RS), digital image processing simulator (DIPS), Geodesy, automated cartography (Auto-Carto), land surveying (LS), and navigation. These courses may use spatial analysis models and guidelines for integrating, interpreting, analyzing, and synthesizing geographic data, with a focus on both the implications and limitations of such technologies. Other topics may include interfacing with telecommunications and automated database management systems.
	21060	Wind Energy	18S AG, 18S AM, 13S ITE	Wind Energy courses introduce students to the terminology and other aspects of the wind industry. Course topics may include, but are not limited to, the history and development of the wind industry, types and applications of various wind turbines, environmental and economic issues of the wind industry, and the future of the industry.
	21061	Wind Turbine Construction and Operation	18S AG, 18S AM, 13S ITE	Wind Turbine Construction and Operation courses provide students with an understanding of wind turbine operation and the wind energy industry. These course enable students to study site preparation and construction, turbine component specifications and manufacturing, operation and maintenance programs, and data acquisition and assessment.
	21098	Technology—Workplace Experience	12S BUS, 13S ITE, 12S CIS, 10S CS, 23S WBL	Technology—Workplace Experience courses provide students with work experience in a field related to technological systems and structures. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Drafting</b>				
	21101	Drafting Careers Exploration	13S ITE, 17S DRF, 21S ENG	Geared for students with an interest in careers that use drafting skills and applications, Drafting Careers Exploration courses expose students to the opportunities available for draftspeople (engineering, architectural, industrial, and so on). These courses serve to introduce basic skills and the field in general, providing students with the opportunity to identify a focus for continued study or to determine that their interests lie elsewhere.
	21102	Drafting—General	13S ITE, 17S DRF, 21S ENG, 17S BT	Drafting—General courses, usually offered as a sequence of courses, introduce students to the technical craft of drawing illustrations to represent and/or analyze design specifications and then refine the skills necessary for this craft. Drafting—General courses use exercises from a variety of applications to provide students with the knowledge and experience to develop the ability to perform freehand sketching, lettering, geometric construction, and multiview projections and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems (if available) are typically introduced and used to fulfill course objectives.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>021 - Engineering and Technology</b>				
<b>Drafting</b>				
	21103	Drafting—Architectural	13S ITE, 17S DRF, 17S BT	Drafting—Architectural courses introduce students to and help them refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using examples drawn from architectural applications. These courses are intended to help students develop general drafting skills, but place a particular emphasis on interior and exterior residential (and light commercial) design, site orientation, floor plans, electrical plans, design sketches, and presentation drawings. In addition, students may prepare scale models.
	21104	Drafting—Civil/Structural	13S ITE, 17S DRF	Drafting—Civil/Structural courses introduce students to and help them refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using examples drawn from civil engineering and/or structural applications. These courses are intended to help students develop general drafting skills, but place a particular emphasis on skills needed for typography and survey work.
	21105	Drafting—Electrical/Electronic	13S ITE, 17S DRF, 21S ENG	Drafting—Electrical/Electronic courses introduce students to and help them refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using examples drawn from electric and/or electronic fields. These courses are intended to help students develop general drafting skills, but place a particular emphasis on those skills needed for electrical and electronic schematics.
	21106	Drafting—Technical/Mechanical	13S ITE, 17S DRF, 21S ENG	Drafting—Technical/Mechanical courses introduce students to and help them refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using examples drawn from industrial applications. These courses are intended to help students develop general drafting skills, but place a particular emphasis on sectioning, auxiliary views, revolutions, and surface development. In these courses, students typically learn basic machining and fabrication processes as they draw schematic diagrams featuring cams, gears, linkages, levers, pulleys, and so on.
	21107	CAD Design and Software	13S ITE, 17S DRF, 12S CIS, 17S BT, 13S MCH, 21S ENG, 10S CS	Frequently offered as an intermediary step to more advanced drafting courses (or as a concurrent course), CAD Design and Software courses introduce students to the computer-aided drafting systems available in the industry.
	21108	Blueprint Reading	13S ITE, 17S DRF, 17S BT, 21S ENG, 17S CAR, 20S ATT, 20S AV, 20S DM, 20S HEO, 20S ATB, 13S IM, 13S MCH, 13S MET, 20S SE, 13S WLD	Blueprint Reading courses provide students with the knowledge and ability to interpret the lines, symbols, and conventions of drafted blueprints. They generally emphasize interpreting, not producing, blueprints, although the courses may provide both types of experiences. Blueprint Reading courses typically use examples from a wide variety of industrial and technological applications.
	21148	Drafting—Workplace Experience	13S ITE, 17S DRF, 21S ENG, 23S WBL	Drafting—Workplace Experience courses provide work experience in a field related to drafting. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>All Others</b>				
	21993	Engineering and Technology—School-based Enterprise	10S CS, 12S BUS, 12S CIS, 13S MET, 13S WLD, 13S ITE, 21S ENG, 23S WBL, 17S DRF	Engineering and Technology—School-based Enterprise courses provide students the opportunity to learn about and manage an entrepreneurial operation related to engineering and technology within a school setting. Students will develop interpersonal and professional skills. Topics may include operations, product services management, pricing, distribution, and marketing.
	21994	Engineering and Technology—Career Project-based Learning	13S MET, 13S WLD, 10S CS, 12S BUS, 12S CIS, 13S ITE, 21S ENG, 23S WBL, 17S DRF	Engineering and Technology—Career Project-based Learning courses provide students with an introduction to careers in the engineering and technology field. Students will work in cooperation with local businesses, community organizations, or non-profit agencies to explore and solve real-world problems that could arise in the workplace. These courses occur in a classroom setting and typically do not include work in the field.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
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#### 022 - Miscellaneous

##### Academic Enrichment

	22001	Standardized Test Preparation		Standardized Test Preparation courses help prepare students for national standardized tests such as the PSAT, SAT, and ACT. In particular, these courses assist students in developing and/or expanding their vocabulary, test-taking, and reasoning skills through study, lecture, and practice drills. Course topics may include vocabulary review; root words, prefixes, and suffixes; mathematical concepts, logic, and rules; and general problem-solving and test-taking strategies.
	22003	Study Skills		Study Skills courses prepare students for success in high school and/or for postsecondary education. Course topics may vary according to the students involved, but typically include reading improvement skills, such as scanning, note-taking, and outlining; library and research skills; listening and note-taking; vocabulary skills; and test-taking skills. The courses may also include exercises designed to generate organized, logical thinking and writing.
	22004	Dropout Prevention Program		Dropout Prevention Program courses vary widely, but typically are targeted at students who have been identified as being at risk of dropping out of or failing in school. Course content may include study skills and individual tutorials; job preparation, readiness, application, or interview skills; communication skills; personal assessment and awareness activities; speaker presentations; and small group seminars.

##### School Organization/Leadership

	22101	Leadership		Leadership courses are designed to strengthen students' personal and group leadership skills. Typically intended for students involved in extracurricular activities (especially as officers of organizations or student governing bodies), these courses may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, and group dynamics.
	22104	Community Service		Community Service courses provide students with the opportunity to volunteer their time, energy, and talents to serve a community project or organization. These courses are usually (but not always) conducted with a seminar component, so that students can use their volunteer experiences to learn how to solve problems, make decisions, and communicate effectively.

##### All Others

	22114	Personal and Professional Skills		Personal and Professional Skills courses develop the attitudes, skills, and strategies students need for personal and professional settings. Topics include personal growth and development, interpersonal skills, intercultural understanding, and ethics.
	22991	Technology for Classroom and Personal Use		In Technology for Classroom and Personal Use courses students acquire knowledge of and experience in the proper, efficient and safe use of a variety of digital tools, i.e., computer, iPad, Smart Board and other emerging technologies to gather, organize and present data. Students learn the basic use of word processing, spreadsheet and digital presentation tools for classroom and personal use. Technology for Classroom and Personal Use courses address the K-12 Content Standards for Technology. Such courses may be taught by teachers with any endorsement at the proper level. Technology for Classroom and Personal Use are NOT approved Career and Technical Education (CTE) courses.
	22992	Teaching Profession (Non-CTE)		Teaching Profession courses introduce students to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information. These courses typically expose students to and train them in classroom management, student behavior, leadership and human relations skills, assessment of student progress, teaching strategies, and various career opportunities in the field of education. This is not a Career Technical Education course. For CTE Teaching Profession use course code 19151-Teaching Profession.

##### Career Exploration/Development

	22151	Career Exploration		Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.
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##### Support Services

	22253	Social Development Instruction	32A SPE, 32A VI, 32A HI	Social Development Instruction courses teach students the social skills needed for independent functioning within the community. Topics may include self-control, self-expression, obeying rules, decision-making, appropriate situational behavior, interacting with others, and maintaining relationships. Students may develop independence, self-confidence, and self-reliance.
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Grade	Code	Course Name	Endorsements	Description
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#### 24 - World Language and Literature

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>24 - World Language and Literature</b>				
<b>Romance Languages</b>				
	24052 **	Spanish I	06A SPA	Designed to introduce students to Spanish language and culture, Spanish I courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures.
	24053 **	Spanish II	06A SPA	Spanish II courses build upon skills developed in Spanish I, preparing students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Spanish II courses introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures.
	24054 **	Spanish III	06A SPA	Spanish III courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures.
	24055 **	Spanish IV	06A SPA	Spanish IV courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Spanish IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures.
	24062 **	IB Language A: Literature—Spanish	06A SPA	IB Language A: Literature—Spanish courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Spanish in an academic context and is intended for students with native or near-native fluency in the language.
	24063 **	IB Language B—Spanish	06A SPA	IB Language B—Spanish courses prepare students to take the International Baccalaureate Language B exams. Students learn to communicate in the target language in familiar and unfamiliar contexts through the study of language, themes, and texts and in relation to the five prescribed course themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Students continue development of receptive, productive and interactive skills, and knowledge of vocabulary, grammar, and target language culture(s).
	24064 **	AP Spanish Language and Culture	06A SPA	Designed by the College Board to parallel college-level courses in Spanish language, AP Spanish Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Spanish, both orally and in writing. These courses also help students understand and interpret written and spoken Spanish. In addition, students explore the culture of Spanish-speaking people in historical and contemporary contexts.
	24065 **	AP Spanish Literature and Culture	06A SPA	Designed by the College Board to parallel college-level Introduction to Hispanic Literature courses, AP Spanish Literature and Culture courses cover representative works from the literatures of Spain and Spanish America, encompassing all genres. The courses build students' Spanish language proficiency, with special attention given to critical opinions and literary analyses in oral and written Spanish. Students are encouraged to relate the texts to their cultural contexts.
	24102 **	French I	06A FRE	Designed to introduce students to French language and culture, French I courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of French-speaking cultures.
	24103 **	French II	06A FRE	French II courses build upon skills developed in French I, preparing students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. French II courses introduce the relationships among the products, practices, and perspectives of French-speaking cultures.
	24104 **	French III	06A FRE	French III courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of French-speaking countries and cultures.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>24 - World Language and Literature</b>				
<b>Romance Languages</b>				
	24105 **	French IV	06A FRE	French IV courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. French IV courses promote students' understanding of the relationships among the products, practices, and perspectives of French-speaking countries and cultures.
	24112 **	IB Language A: Literature—French	06A FRE	IB Language A: Literature—French courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using French in an academic context and is intended for students with native or near-native fluency in the language.
	24113 **	IB Language B—French	06A FRE	IB Language B—French courses prepare students to take the International Baccalaureate Language B exams. Students learn to communicate in the target language in familiar and unfamiliar contexts through the study of language, themes, and texts and in relation to the five prescribed course themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Students continue development of receptive, productive and interactive skills, and knowledge of vocabulary, grammar, and target language culture(s).
	24114 **	AP French Language and Culture	06A FRE	Designed by the College Board to parallel college-level courses in French language, AP French Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in French, both orally and in writing. These courses also help students understand and interpret written and spoken French. In addition, students explore the culture of French-speaking people in historical and contemporary contexts.
	24152 **	Italian I	06A ITA	Designed to introduce students to Italian language and culture, Italian I courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Italian-speaking cultures.
	24153 **	Italian II	06A ITA	Italian II courses build upon skills developed in Italian I, preparing students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Italian II courses introduce the relationships among the products, practices, and perspectives of Italian-speaking cultures.
	24154 **	Italian III	06A ITA	Italian III courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Italian-speaking countries and cultures.
	24155 **	Italian IV	06A ITA	Italian IV courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Italian IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Italian-speaking countries and cultures.
	24162 **	IB Language A: Literature—Italian	06A ITA	IB Language A: Literature—Italian courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Italian in an academic context and is intended for students with native or near-native fluency in the language.
	24163 **	IB Language B—Italian	06A ITA	IB Language B—Italian courses prepare students to take the International Baccalaureate Language B exams. Students learn to communicate in the target language in familiar and unfamiliar contexts through the study of language, themes, and texts and in relation to the five prescribed course themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Students continue development of receptive, productive and interactive skills, and knowledge of vocabulary, grammar, and target language culture(s).
	24164 **	AP Italian Language and Culture	06A ITA	Designed by the College Board to parallel college-level courses in Italian language, AP Italian Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Italian, both orally and in writing. These courses also help students understand and interpret written and spoken Italian. In addition, students explore the culture of Italian-speaking people in historical and contemporary contexts.

\*\* This course is considered a Core Course



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### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>24 - World Language and Literature</b>				
<b>Germanic Languages</b>				
	24252 **	German I	06A GER	Designed to introduce students to German language and culture, German I courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of German-speaking cultures.
	24253 **	German II	06A GER	German II courses build upon skills developed in German I, preparing students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. German II courses introduce the relationships among the products, practices, and perspectives of German-speaking cultures.
	24254 **	German III	06A GER	German III courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of German-speaking countries and cultures.
	24255 **	German IV	06A GER	German IV courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. German IV courses promote students' understanding of the relationships among the products, practices, and perspectives of German-speaking countries and cultures.
	24262 **	IB Language A: Literature—German	06A GER	IB Language A: Literature—German courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using German in an academic context and is intended for students with native or near-native fluency in the language.
	24263 **	IB Language B—German	06A GER	IB Language B—German courses prepare students to take the International Baccalaureate Language B exams. Students learn to communicate in the target language in familiar and unfamiliar contexts through the study of language, themes, and texts and in relation to the five prescribed course themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Students continue development of receptive, productive and interactive skills, and knowledge of vocabulary, grammar, and target language culture(s).
	24264 **	AP German Language and Culture	06A GER	Designed by the College Board to parallel college-level courses in German language, AP German Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in German, both orally and in writing. These courses also help students understand and interpret written and spoken German. In addition, students explore the culture of German-speaking people in historical and contemporary contexts.
<b>Classical Languages</b>				
	24342 **	Latin I	06A LAT	Designed to introduce students to Latin language and culture, Latin I courses prepare students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Latin-speaking cultures.
	24343 **	Latin II	06A LAT	Latin II courses build upon skills developed in Latin I, preparing students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Latin II courses introduce the relationships among the products, practices, and perspectives of Latin-speaking cultures.
	24344 **	Latin III	06A LAT	Latin III courses prepare students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Latin-speaking countries and cultures.
	24345 **	Latin IV	06A LAT	Latin IV courses prepare students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Latin IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Latin-speaking countries and cultures.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>24 - World Language and Literature</b>				
<b>Classical Languages</b>				
	24352 **	IB Classical Languages—Latin	06A LAT	IB Classical Languages—Latin courses seek to strike a balance between the study of the classic Latin language itself (structure, meaning, and formulation) and the civilization it reflects (particularly its culture, philosophies, and institutions). Course content enables students to understand, translate, and appreciate a classical Latin text; relate literature to its historical or social background; recognize current relevance of ancient literature; and apply acquired knowledge to other subjects.
	24355 **	AP Latin (Virgil, Catullus and Horace)	06A LAT	Designed to parallel advanced college-level courses in Latin studies, AP Latin courses build upon and increase knowledge of Latin, enabling students to read the language with comprehension, to accurately translate Latin into English, and to appreciate the stylistic literary techniques used by the authors. AP Latin courses also include study of the political, social, and cultural background of the literary works and their authors, as well as their influence on later literature.
<b>East Asian Languages</b>				
	24402 **	Chinese I	06A CHI	Designed to introduce students to Chinese languages and culture, Chinese Languages I courses prepare students to communicate authentically in Chinese languages by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Chinese language-speaking cultures. These courses may be used for any Chinese language, including Mandarin and Cantonese.
	24403 **	Chinese II	06A CHI	Chinese Languages II courses build upon skills developed in Chinese Languages I, preparing students to communicate authentically in Chinese languages by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Chinese Languages II courses introduce the relationships among the products, practices, and perspectives of Chinese language-speaking cultures. These courses may be used for any Chinese language, including Mandarin and Cantonese.
	24404 **	Chinese III	06A CHI	Chinese Languages III courses prepare students to communicate authentically in Chinese languages by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Chinese language-speaking countries and cultures. These courses may be used for any Chinese language, including Mandarin and Cantonese.
	24405 **	Chinese IV	06A CHI	Chinese Languages IV courses prepare students to communicate authentically in Chinese languages by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Chinese Languages IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Chinese language-speaking countries and cultures. These courses may be used for any Chinese language, including Mandarin and Cantonese.
	24412 **	IB Language A: Literature—Chinese	06A CHI	IB Language A: Literature—Chinese Languages courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Chinese languages in an academic context and is intended for students with native or near-native fluency in the languages. These courses may be used for any Chinese language, including Mandarin and Cantonese.
	24413 **	IB Language B—Chinese	06A CHI	IB Language B—Chinese Languages courses prepare students to take the International Baccalaureate Language B exams. Students learn to communicate in the target language in familiar and unfamiliar contexts through the study of language, themes, and texts and in relation to the five prescribed course themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Students continue development of receptive, productive and interactive skills, and knowledge of vocabulary, grammar, and target language culture(s).
	24414	AP Chinese Languages: Language and Culture	06A CHI	Designed by the College Board to parallel fourth semester college-level courses in Mandarin Chinese language, AP Chinese Languages: Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Chinese languages, both orally and in writing. These courses also help students understand and interpret written and spoken Chinese languages. In addition, students explore the culture of Chinese language-speaking people in historical and contemporary contexts. These courses may be used for any Chinese language, including Mandarin and Cantonese.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>24 - World Language and Literature</b>				
<b>East Asian Languages</b>				
	24452 **	Japanese I		Designed to introduce students to Japanese language and culture, Japanese I courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Japanese-speaking cultures.
	24453 **	Japanese II		Japanese II courses build upon skills developed in Japanese I, preparing students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Japanese II courses introduce the relationships among the products, practices, and perspectives of Japanese-speaking cultures.
	24454 **	Japanese III		Japanese III courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Japanese-speaking countries and cultures.
	24455 **	Japanese IV		Japanese IV courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Japanese IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Japanese-speaking countries and cultures.
	24462 **	IB Language A: Literature—Japanese		IB Language A: Literature—Japanese courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Japanese in an academic context and is intended for students with native or near-native fluency in the language.
	24463 **	IB Language B—Japanese		IB Language B—Japanese courses prepare students to take the International Baccalaureate Language B exams. Students learn to communicate in the target language in familiar and unfamiliar contexts through the study of language, themes, and texts and in relation to the five prescribed course themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Students continue development of receptive, productive and interactive skills, and knowledge of vocabulary, grammar, and target language culture(s).
	24464	AP Japanese Language & Culture		Designed by the College Board to parallel college-level courses in Japanese language, AP Japanese Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Japanese, both orally and in writing. These courses also help students understand and interpret written and spoken Japanese. In addition, students explore the culture of Japanese-speaking people in historical and contemporary contexts.
<b>Balto-Slavic Language</b>				
	24652 **	Russian I	06A RUS	Designed to introduce students to Russian language and culture, Russian I courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Russian-speaking cultures.
	24653 **	Russian II	06A RUS	Russian II courses build upon skills developed in Russian I, preparing students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Russian II courses introduce the relationships among the products, practices, and perspectives of Russian-speaking cultures.
	24654 **	Russian III	06A RUS	Russian III courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Russian-speaking countries and cultures.

\*\* This course is considered a Core Course



## FY 2027 Listing of All Montana K-12 Course Codes and Descriptions

### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>24 - World Language and Literature</b>				
<b>Balto-Slavic Language</b>				
	24655 **	Russian IV	06A RUS	Russian IV courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Russian IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Russian-speaking countries and cultures.
	24662 **	IB Language A: Literature—Russian	06A RUS	IB Language A: Literature—Russian courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Russian in an academic context and is intended for students with native or near-native fluency in the language.
	24663 **	IB Language B—Russian	06A RUS	IB Language B—Russian courses prepare students to take the International Baccalaureate Language B exams. Students learn to communicate in the target language in familiar and unfamiliar contexts through the study of language, themes, and texts and in relation to the five prescribed course themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Students continue development of receptive, productive and interactive skills, and knowledge of vocabulary, grammar, and target language culture(s).
<b>Semitic and Near/Middle Eastern Languages</b>				
	24752 **	Arabic I	06A ARA	Designed to introduce students to Arabic language and culture, Arabic I courses prepare students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Arabic-speaking cultures.
<b>American Sign Language</b>				
	24852	American Sign Language I	06A ASL, 06S ASL	Designed to introduce students to American Sign Language language and culture, American Sign Language I courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information on a variety of topics. They introduce the relationship among the practices, perspectives, and cultures of deaf people and communities.
	24853	American Sign Language II	06A ASL, 06S ASL	American Sign Language II courses build upon skills developed in American Sign Language I, preparing students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information on concrete topics. American Sign Language II courses introduce the relationship among the practices, perspectives, and cultures of deaf people and communities.
	24854	American Sign Language III	06A ASL, 06S ASL	American Sign Language III courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the practices, perspectives, and cultures of deaf people and communities.
	24855	American Sign Language IV	06A ASL, 06S ASL	American Sign Language IV courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. American Sign Language IV courses promote students' understanding of the relationships among the practices, perspectives, and cultures of deaf people and communities.
<b>American Indian Languages</b>				
	24902 **	American Indian Language I	06Z CHI, 06Z CRE, 06Z CRO, 06Z DAK, 06Z GV, 06Z KOO, 06Z SAL, 06Z ASB, 06Z BLA, 06Z CHE	Designed to introduce students to American Indian language and culture, American Indian Language I courses prepare students to communicate authentically in an American Indian Language (e.g., Navajo, Cherokee, or Cree) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of the cultures associated with the language of study.

\*\* This course is considered a Core Course



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### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>24 - World Language and Literature</b>				
<b>American Indian Languages</b>				
	24903 **	American Indian Language II	06Z ASB, 06Z BLA, 06Z CHE, 06Z CHI, 06Z CRE, 06Z CRO, 06Z DAK, 06Z GV, 06Z KOO, 06Z SAL	American Indian Language II courses build upon skills developed in American Indian Language I, preparing students to communicate authentically in an American Indian Language (e.g., Navajo, Cherokee, or Cree) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. American Indian Language II courses introduce the relationships among the products, practices, and perspectives of the cultures associated with the language of study.
	24904 **	American Indian Language III	06Z KOO, 06Z SAL, 06Z ASB, 06Z BLA, 06Z CHE, 06Z CHI, 06Z CRE, 06Z CRO, 06Z DAK, 06Z GV	American Indian Language III courses prepare students to communicate authentically in an American Indian Language (e.g., Navajo, Cherokee, or Cree) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics. These courses expand students' knowledge of relationships among the products, practices, and perspectives of the cultures associated with the language of study.
	24905 **	American Indian Language IV	06Z ASB, 06Z BLA, 06Z CHE, 06Z CHI, 06Z CRE, 06Z CRO, 06Z DAK, 06Z GV, 06Z KOO, 06Z SAL	American Indian Language IV courses prepare students to communicate authentically in an American Indian Language (e.g., Navajo, Cherokee, or Cree) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. American Indian Language IV courses promote students' understanding of the relationships among the products, practices, and perspectives of the cultures associated with the language of study.
	24910 **	American Indian Literature	06Z ASB, 06Z BLA, 06Z CHE, 06Z CHI, 06Z CRE, 06Z CRO, 06Z DAK, 06Z GV, 06Z KOO, 06Z SAL	American Indian Language Literature courses prepare students to communicate authentically in an American Indian Language (e.g., Navajo, Cherokee, or Cree) by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in the American Indian Language of study. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of American Indian cultures into literature, and exploring interdisciplinary connections.
	24911	Particular Topics in American Indian Language	06Z ASB, 06Z BLA, 06Z CHE, 06Z CHI, 06Z CRE, 06Z CRO, 06Z DAK, 06Z GV, 06Z KOO, 06Z SAL	Particular Topics in American Indian Language courses examine particular topics focused on an American Indian language or culture, such as film, music, application(s) to career/technical fields, or a specific dialect, other than those already described.
<b>All Others</b>				
	24952 **	World Language (Other Language) I	06A IRI, 06S IRI	Designed to introduce students to a language and culture not specified elsewhere in this classification system, World Language (Other Language) I courses prepare students to communicate authentically in the language of study by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of the countries and cultures speaking the language of study.
	24953 **	World Language (Other Language) II	06A IRI, 06S IRI	World Language (Other Language) II courses build upon skills developed in World Language I (Other Language), preparing students to communicate authentically in a language not specified elsewhere in this classification system by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. World Language II (Other Language) courses introduce the relationships among the products, practices, and perspectives of the countries and cultures speaking the language of study.
	24954 **	World Language (Other Language) III	06A IRI, 06S IRI	World Language (Other Language) III courses prepare students to communicate authentically in a language not specified elsewhere in this classification system by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of the countries and cultures speaking the language of study.
	24955 **	World Language (Other Language) IV	06A IRI, 06S IRI	World Language (Other Language) IV courses prepare students to communicate authentically in a language not specified elsewhere in this classification system by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. World Language (Other Language) IV courses promote students' understanding of the relationships among the products, practices, and perspectives of the countries and cultures speaking the language of study.

\*\* This course is considered a Core Course



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### Secondary Courses

Grade	Code	Course Name	Endorsements	Description
<b>025 - Research and Data Science</b>				
<b>Research</b>				
	25001	Seminar	02S MAT, 03S BF, 04S ECO, 04S GEO, 04S HIS, 04S PSY, 03S BIO, 03S CHE, 03S PHY, 04S POL, 03S EAR, 04S BF, 01S ENG, 04S SOC	Seminar courses vary widely, but typically offer a small peer group the opportunity to investigate areas of interest. Course objectives may include improvement of research and investigatory skills, presentation skills, interpersonal skills, group process skills, and problem-solving and critical-thinking skills. Seminars aimed at juniors and seniors often include a college and career exploration and planning component.
	25002	IB Extended Essay	03S CHE, 03S PHY, 04S POL, 03S EAR, 04S SOC, 04S BF, 01S ENG, 02S MAT, 03S BF, 04S ECO, 04S GEO, 04S HIS, 04S PSY, 03S BIO	Obligatory for every International Baccalaureate degree candidate, IB Extended Essay aim to help students develop an independent, self-directed piece of research, culminating in a 4,000 word paper. These courses provide students with practical preparation for later research and help build their analysis, synthesis, and evaluation skills.
	25003	AP Seminar	04S BF, 03S BF, 04S ECO, 03S EAR, 03S PHY, 04S PSY, 04S SOC, 01S ENG, 02S MAT, 04S GEO, 04S HIS, 03S BIO, 03S CHE, 04S POL	Designed by the College Board to parallel college-level courses in critical thinking and communications, AP Seminar courses provide students with the opportunity to explore complex real-world issues through cross-curricular lenses. Course topics vary and may include local, civic, or global issues and interdisciplinary subject areas. Courses typically emphasize research, communication, and critical-thinking skills to explore the issues addressed. Students may also examine source materials such as articles and other texts; speeches and personal accounts; and relevant artistic and literary works.
	25004	AP Research	04S SOC, 04S PSY, 04S POL, 04S HIS, 04S GEO, 04S ECO, 04S BF, 03S PHY, 03S EAR, 03S CHE, 03S BIO, 03S BF, 02S MAT, 01S ENG	Designed by the College Board to parallel college-level courses in independent research, AP Research courses provide students with the opportunity to conduct an in-depth, mentored research project. Course topics include research methods, ethical research practices, and accessing, analyzing, and synthesizing information to address a research question. Courses culminate with an academic thesis paper and an oral defense of the research design, approach, and findings.
	25993	Integrative Learning—School-based Enterprise	23S WBL, 12S BM, 12S BUS, 23S FCS, 18S AG, 13S ITE	Integrative Learning—School-based Enterprise courses provide students the opportunity to learn about and manage an entrepreneurial operation related to integrative learning within a school setting. Students will develop interpersonal and professional skills. Topics may include operations, product services management, pricing, distribution, and marketing.
	25994	Integrative Learning—Career Project-based Learning	23S WBL, 12S BUS, 12S BM, 23S FCS, 18S AG, 13S ITE	Integrative Learning—Career Project-based Learning courses provide students with an introduction to careers related to integrative learning. Students will work in cooperation with local businesses, community organizations, or non-profit agencies to explore and solve real-world problems that could arise in the workplace. These courses occur in a classroom setting and typically do not include work in the field.
	25998	Integrative Learning—Workplace Experience	23S WBL, 23S FCS, 12S BUS, 12S BM, 18S AG, 13S ITE	Integrative Learning—Workplace Experience courses provide students with work experience in a field related to integrative learning. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.
<b>Data Science</b>				
	25051	Data Literacy	12S CIS, 10S CS, 12S BUS, 12S CIS, 12S BM, 10S NCS	Data Literacy courses focus on developing students' ability to read, interpret, and analyze data. These courses teach students how to assess the reliability and validity of data, as well as to understand data to draw conclusions and explain the results, such as through summary statistics or data visualization.
	25052	Data Science	02S MAT, 10S CS, 12S BUS, 12S CIS, 12S CIS, 10S NCS	Data Science courses prepare students to think critically about data and develop the tools, techniques, and principles for reasoning about the world with data. These courses teach students to use scientific methods, data sampling and probability, algorithms, and systems to analyze structured and unstructured data. Students will use modern data analysis tools, including computer programming languages. Course topics may include big data, data cleaning, data modeling, data mining, artificial intelligence, correlation and causation, and bias and uncertainty.
	25053	Data Science Applications	12S BUS, 12S CIS, 12S CIS, 10S CS	Data Science Applications courses emphasize the practical uses of data science concepts and the transformation of data to knowledge. Students will explore real-world datasets and answer questions using hands-on analysis, project-based learning, and programming software.

\*\* This course is considered a Core Course