

Montana ACTE

Fall Institute—2014

The Common Core
Advantage 2.0:
Strategies that Work
in CTE



COMMON CORE
STATE STANDARDS INITIATIVE
PREPARING AMERICA'S STUDENTS FOR COLLEGE & CAREER

October 16-17, 2014

Holiday Inn Parkside—Downtown
Missoula, MT



Montana ACTE strives to provide leadership in developing an educated, prepared, adaptable, innovative and competitive workforce.

Montana ACTE

The Common Core Advantage 2.0: Strategies that Work in CTE



Fall Institute—2014

Holiday Inn Parkside—Missoula, MT

Agenda at a Glance—*Subject to change*

Time	Room	Division	Session	Time	Room	Division	Session
October 15, 2014				October 17, 2014			
1:00-5:00		MACTE	Math in CTE pre-institute (additional registration fee)	8:00-12:00		MACTE	Math in CTE (separate registration)
6:30-8:30		MACTE	Registration Open	7:30-8:30		MACTE	Breakfast
6:00-8:00		MAFCSE	No-host Social - Bayern Brewery (1507 Montana Street)	8:00-9:00		MACTE	Montana ACTE Business Meeting Breakfast
6:00-10:00		MACTE	Award Candidate Interviews	9:00-10:00	Missoula Ag. Facility	MAAE (Breakout options)	Articulating Livestock Skeletons by Tom Andres Aging and Scoring Whitetail by Kristin Rothe Dupont by Brandon Brattan
8:00		MACTE	Audit Committee Meeting			MBEA Breakout Options	It's Fun to Learn Programming/ALICE by Dennis LaBonty How to Make the Most of Your School's Large-Format Printers/Plotters by Ryan Harrington
						MAFCSE	Dig In! School Gardens are Learning Laboratories by Montana TEAM Nutrition
October 16, 2014						MITEA	Business Meeting
7:30-10:30		MACTE	Registration Open (Coffee & Tea available)	10:00-10:15		MACTE	Break
7:30		MACTE	Trade Show Opens	10:00-10:15		MACTE	Break
8:30-9:00		MACTE	Welcome, Flag Ceremony & Introductions	10:15-11:15		MAAE	9:00a.m. Breakout Sessions Continued
9:00-10:00		MACTE	"The Benefits of Communicating Effectively" by Paul H. Hutter, SPHR, VP, Western Region			MBEA Breakout Options	Code Montana by Kerri Cobb & Rob Irizarry Instructional Strategies for Engaging Learners P-D-Q by Eric Swenson
10:00-10:20		MACTE	Break—Visit the Trade Show			MAFCSE	Continued: Montana Team Nutrition
10:20-11:20		MACTE	Big Sky Pathways Round Tables			MITEA	Alcom Tour (9063 Bonner Mill Road, Bonner, MT)
11:30-1:00		MACTE	Montana ACTE Awards Luncheon Live Auction The State of CTE by TJ Eyer	11:15-11:30		MACTE	Break
1:00-5:00		MACTE	Math in CTE (separate registration)	11:30-12:30		MAAE	9:00a.m. Breakout Sessions Continued
1:15-2:15		MAFCSE	Literacy in CTE			MBEA Breakout Options	Technology Splash by Mark Branger Window to the World: Infusing Global Competence into Your Curriculum by University of MT
		MBEA	Literacy in CTE			MAFCSE	Business Meeting and OPI Update
		MAAE	Literacy in CTE			MITEA	Continued, Alcom Tour
		MITEA	Literacy in CTE	12:00-12:45		MACTE	Renewal Unit Signing
2:15-2:30		MACTE	Break—Visit the Trade Show	1:00-2:30		MACTE	Executive Board Meeting
2:30-3:30		Continued: 1:15-2:15 sessions					
3:30-3:45		MACTE	Break—Visit the Trade Show				
3:45-5:00		MBEA	Business Meeting & OPI Update				
		MAFCSE	Culinary Math by Thomas Campbell				
		MAAE	Business Meeting				
		MITEA	Sentinal High School Highlight				
5:00-6:00		MACTE	Networking Social—Appetizers Silent Auction Drawing				



Pre-Institute

"Common Core Math Strategies in CTE"

October 15-17, 2014

School _____ Address _____
 Telephone _____ City _____ ST _____ ZIP _____
 CTE Teacher _____ CTE Teacher Email _____
 Math Teacher _____ Math Teacher Email _____

Description: Strategies for Meeting Math Common Core State Standards in CTE Courses

This class is based on the National Research Center for Career Technical Education (NRCCTE) philosophy of contextualized integration of math skills into existing classes, also known as Math-in-CTE. You do not change your class, just the way you teach it. The math-in-CTE class focuses on a CTE teacher working with a math teacher to identify the math concepts in a CTE class. This process leads to the development of curriculum maps used to create math-enhanced lessons. By the end of the class, you learn this process and create at least four lessons to use next semester. You also learn how the strategies of this class help you meet the math standards associated with the Montana Common Core State Standards. Dr. Parr, along with CTE/Math Teacher assistant teams, works with each team to complete classroom ready lessons.

Who should attend:

This conference requires a team consisting of a CTE teacher and a math teacher. The team works together to create the math-enhanced lesson plans. Bring one laptop per team to this class. If you are unable to bring a math teacher (or vice versa), institute teacher assistants will work with you.

Schedule:

12 Hours at the Montana ACTE Fall Institute (Wednesday afternoon, October 15, Thursday afternoon, October 16, and Friday morning, October 17, 2014).

Optional: Graduate credit: EDCI 593-XXX

Montana State University Billings is offering 1 graduate credits. The fee is \$199. You must register for the graduate credits directly through MSU Billings at the Montana ACTE Fall Institute. A syllabus will be posted on the Montana ACTE website www.montanaacte.org.

Space is limited to
15 teams or 30
individuals.



Registration Due
October 1

REGISTRATION FEE INCLUDES:

- Meals: Breaks, lunch on October 16 and breakfast on October 17
- Registration: Registration fee to the Montana ACTE Fall Institute (www.montanaacte.org)
- Course Materials

(Check one)

- \$135 Individual Registration (Montana CTE Member)
- \$250 Team Total (CTE teacher and math teacher if the CTE teacher is a current member of Montana ACTE)
- \$350 Team Total (CTE teachers and math teacher if the teacher is NOT a current member of Montana ACTE)

Payment Method: Check Purchase Order Credit Card Type Visa MC Discover
 Credit Number _____ Expiration Date _____

Name on Credit Card _____ Security Code _____

CC Billing Address _____

City, ST, Zip _____

Signature _____

Submit to: Nicole Wanago,
Institute Coordinator

3875 Corwin Street
Bozeman, MT 59718
406.581.7285
nwanago@hotmail.com

INSTITUTE REGISTRATION

REGISTRATION FEES (If you become a member of Montana ACTE or you are renewing your membership, pay the reduced member registration fees.)	Early Bird/thru Oct 1		After Oct 1 thru Onsite	
	Both Days	Thur. Only	Both Days	Thur. Only
Montana ACTE/ACTE Member	\$135	\$110	\$170	\$135
Non-Member Montana ACTE/ACTE	\$195	\$170	\$240	\$190
Student Registration	\$50	\$50	\$50	\$50

Registration includes: Breaks, Thursday Awards Luncheon, Friday Montana ACTE Business Meeting Breakfast. Meal tickets for guests may be purchased during registration.

New Member and Retired Teachers

All New Members and Retired Teachers will receive a **\$67.50 registration discount.**

Registration Deadline

Early-Bird Rates End
October 1
On-site Registration available



Cancellation Policy

A full refund will be provided until **October 1**. A maximum of 50% refund after October 1 may occur at the discretion of the board. Requests must be in writing within two weeks after the institute with the reason identified.

Membership:

Join or renew your ACTE Membership when registering for the Institute. Rates include Montana ACTE, National ACTE and Division dues.

- MBEA** (Business and Marketing) \$145
- MAFCSE** (Family & Consumer Sciences) \$155
- MITEA** (Industrial Technology) \$145
- MHSEA** (Health Sciences) \$140
- MAAE** (Agriculture) \$230
- ADMIN** (Administration) \$135

NOTE: Discounted rates are available for full-time students and retired members.



Register Online

<https://iweb.acteonline.org/Conference/RegistrationProcessOverview.aspx?id=52>

Step 1: Log in

- Current Members: Login using your National ACTE username and password. If needed, request your password online or call National ACTE at 1.800.826.9972.
- Non-members: Click “create an account” to create a username and password to begin the registration process.

Step 2: Optional: Renew your Membership or Become a Member

- You must do this step **first** if you are currently **not** a member but would like to pay the member/new member registration.
- Memberships are processed as a separate transaction.

Step 3: Update your contact information

Step 4: Select your registration option

Step 5: Indicate what meals you will be attending and if guest tickets need to be purchased

Step 6: Indicate any special needs and years of membership

Step 7: Payment

- Review your invoice
- If paying via credit card, select “proceed to payment” and enter credit card information.
- If paying via purchase order or check, click on “enter voucher”
 - Purchase order voucher: **MT2014PO**
 - Check voucher: **MT2014CK**
 - Your balance will then be zero (payment pending).
 - To finalize your registration, click on “proceed to payment.”
 - Your registration is finalized when the confirmation screen appears. You will also receive a confirmation email with an invoice (showing the balance due).

*All checks should be made payable to “Montana ACTE” and sent to
Nicole Wanago, Institute Coordinator
3875 Corwin Street, Bozeman, MT 59718.*



2014 Montana ACTE Institute

"The Common Core Advantage 2.0: Strategies That Work in CTE"

October 16-17, 2014

Name _____ School _____
 Address _____ City _____ ST _____ ZIP _____
 Telephone (Home) _____ Division Affiliation: MAAE MAFCS MBEA
 Telephone (Work) _____ Other MHSEA MITEA ADMIN
 E-mail Address _____ ACTE Member # _____ Yrs of Membership _____

Any special needs:

Would you like your name and email released to vendors:

INSTITUTE REGISTRATION

REGISTRATION FEES (If you become a member of Montana ACTE or you are renewing your membership, pay the reduced member registration fees.)	Early Bird/thru Oct 1		After Oct 1 thru Onsite	
	Both Days	Thur. Only	Both Days	Thur. Only
Montana ACTE/ACTE Member	\$135	\$110	\$170	\$135
Non-Member Montana ACTE/ACTE	\$195	\$170	\$240	\$190
Student Registration	\$50	\$50	\$50	\$50
New Member or Retired Teacher Discount	Registration fee minus \$67.50 discount			

Registration Includes Thursday Luncheon and Friday Breakfast

Thursday Montana ACTE Luncheon (Check appropriate box if attending)	<input type="checkbox"/> Attending		
Guest Thursday Montana ACTE Luncheon Ticket		\$15	
Friday Montana ACTE Business Breakfast (Check appropriate box if attending)	<input type="checkbox"/> Attending		
Guest Friday Montana ACTE Business Breakfast Ticket		\$15	

ACTE and Montana ACTE Membership Dues

To receive the reduced rates, join ACTE or renew your membership online before registering.
<https://www.acteonline.org/>

- MBEA (Business & Marketing) \$145
 MITEA (Industrial/Technology) \$145
 MAAE (Agriculture) \$230
 MAFCS (Family & Consumer Sciences) \$155
 MHSEA (Health Sciences) \$140
 ADMIN (Administration) \$135

Greatly reduced rates available for retired and full-time student members! [Click here to learn more.](#)

Register Online



<https://iweb.acteonline.org/Conference/RegistrationProcessOverview.aspx?id=52>

Register online for the 2014 Montana ACTE Institute

See page 3 for instructions and policies.

Credit card, checks and purchase orders accepted.

Questions:

Contact **Nicole Wanago**

nwanago@hotmail.com or 406.581.7285

Schedule

October 15, 2014

1:00-5:00	MACTE	Math in CTE Pre-Institute (separate registration)
5:30-7:00	MACTE	Montana ACTE Board Meeting
6:30-8:30	MACTE	Registration
6:00-8:00	MAFCSE	FCS Social —Bayern Brewery (1507 Montana Street)
6:00-10:00	MACTE	Award Candidate Interviews
8:00	MACTE	Audit Committee Meeting

October 16, 2014

7:30-10:00	MACTE	Registration & Trade Show Opens
8:30-10:00		Opening General Session Montana ACTE President, Sandy Woldstad The Benefits of Communicating Effectively by Paul H. Hutter, SPHR, Vice President, Western Region Join us to discover the important role effective communication plays in your interaction with students, parents and co-workers. This session will focus on the critical skills of active listening as 55% of our time spent communicating is spent listening, and this is something most of us do not do well. A mixture of lecture and hands on activities will lend to an interactive and engaging hour.
10:00-10:20		Break—Visit the Trade Show
10:20-11:20	MACTE	Big Sky Pathways Round Tables by Amy Williams, Mindi Askelson, and the Big Sky Pathways Coordinators Learn more about Big Sky Pathway options at Montana's Post-Secondary Institutions by attending round tables presented by
11:30-1:00	MACTE	Montana ACTE Awards Luncheon Awards Program—MACTE Past-President, Joe Wilkins Live Auction—MACTE Vice-President, Scott Anderson The State of CTE—T.J. Eyer, Office of Public Instruction
1:00-5:00		Math in CTE, continued (separate registration required)
1:15-2:15	MAFCSE MAAE MITEA MBEA	Literacy in CTE Division Work Sessions Here's how you can learn about Literacy-in-CTE strategies that will help you improve your CTE student's reading and writing skills. Join Montana Office of Public Instruction Specialists and Educators who have experience using these strategies. The teachers take you through four of the twenty-two strategies plus the basic concepts in a professional development program created by the National Research Center for Career Technical Education (NRCCTE). Each strategy is cross-walked against the Montana Common Core Standards. You will learn about future opportunities to take the complete professional development program.
2:15-2:30		Break—Visit the Trade Show
2:15-3:30	MACTE	Literacy in CTE, Continued from 1:15 session
3:30-3:45		Break—Visit the Trade Show
	MAFCSE	Culinary Math by Thomas Campbell, Missoula College Learn innovative techniques to enhance math instruction and address Common Core Math Standards in your Culinary Arts program.
	MAAE	Business Meeting
3:45-5:00	MITEA	Sentinel High School Highlight by Tomas Leik and Dave Burtch This is a semester class that trains students for entry level skills in the tire service industry. This class follows The Tire Industry Association Level 200 training module and the students earn a nationally recognized certification from the TIA after passing the final exam. For more information go to www.tireindustry.org Basic Automotive Tire Service. Gary Bakke (retired owner of Bakke Tires Missoula and Hamilton) has developed this program and will be the presenter. In addition we could also offer a section on TPMS (Tire Pressure Management Systems). We have a well outfitted tire service lab at Sentinel HS. Gary Bakke recently attended an educational conference at the TIA Educational Division and reports that we are the 1st and currently the only high school in the nation certifying high school students. Adding this program into an auto program could give instructors that certification needed for Perkins funds.
Division Breakouts	MBEA	Business Meeting
5:00-6:00	MACTE	Networking Social Appetizers & No-host bar Silent Auction Drawing Prizes awarded including a Montana ACTE Membership

October 17, 2014

8:00-12:00		Math in CTE (separate registration required)
7:30-9:00	MACTE	Montana ACTE Business Meeting Breakfast Breakfast served 7:30-8 & Business Meeting begins at 8
	MBEA (pick one)	Its Fun to Learn Programming/ALICE by Dennis LaBonty, Salish Kootenai College Alice software is FREE! Bring your own laptop or work with someone who is bringing theirs. Have Alice software already installed AND have fun programming with Alice! Go to Alice.org and download Alice v3.1. Be sure to read "Which version of 3.1 should I download?" link. Most people using Windows use Universal Installer (3/7/2014). Participants will have fun and save their own files while learning to use Alice's object-oriented programming tools. Learn some Alice IDE, setup scene tricks, movement "one shots", Java view, method building, and more! See what you can do and take back to your students.
	MBEA (pick one)	How to make the most of your school's large-format printers/plotters . . . By Ryan Harrington, Epson Session covers the many applications for large-format inkjet prints in a school including children's artwork, athletic events, signage, technical uses, and more. Produce big cost-savings for your school, plus generate \$\$ from fundraisers with special event/art prints. Session also covers info on the care and feeding of inkjet printers in your technical departments. Find out how you can get the most out of your printer/plotter with tips and tricks, best practices, facts from fiction. Photography, fine art, and graphics arts/design students need a passion for their upcoming careers but also need to do some guerrilla marketing and positioning. Find out how and why irresistible customer service is crucial to any business. You will learn some fresh creative thinking to get students off on the right foot in upcoming new business careers.
9:00-10:00	MAFCSE	Dig In! School Gardens are Learning Laboratories by Montana TEAM Nutrition School gardens are living laboratories where lessons from nutrition to math can be taught through multi-sensory experiences. Explore standards based activities including Common Core, Indian Education for All, and others through resources.
Division Breakout Sessions	MITEA	Business Meeting
	MAAE (pick one)	Articulating Livestock Skeletons by Tom Andres In this mini course you will get the chance to see what it takes to articulate a skeleton in your classroom. You will learn how to acquire, clean and prep a skeleton. You will also learn how to create support hangers, and drill and wire bones like a veterinarian. You will also be provided ways to use skeletons as a teaching resource for meat judging, livestock judging and comparative anatomy. We will be building a cow skeleton during this workshop and there may be another prepared skeleton, ready to be built, given away as a door prize. Aging and Scoring Whitetail Deer—Using Wildlife Management & Natural Resources to teach Common Core by Kristin Rothe <i>This hands-on workshop will demonstrate how to incorporate Common Core into the Wildlife Management and Natural Resources. Teachers will participate in a whitetail deer scoring lab and will learn to age deer by evaluating the wear patterns of teeth. I will also be discussing my Ideas Unlimited project and dermestid beetle colony. Teachers will receive materials and labs ready to be used in their own classrooms. Other curriculum ideas that will be discussed are; rod building, fly tying, arrow making, knapping of arrow points and taxidermy.</i> Dupont by Brandon Brattan
10:00-10:15	MACTE	Break
	MBEA (pick one)	Code Montana by Kerri Cobb & Rob Irizarry Are you curious about computer programming/coding or considered offering a course in programming/coding, but don't know where to start? This presentation will explain the current resources available through CodeMontana as well as introduce new resources, teacher training, and curriculum coming to the program in 2015. Montana Entrepreneur, Rob Irizarry, started CodeMontana so that high-school aged students across Montana, could be exposed to computer programming curriculum. Currently, there are more high paying programming jobs in Montana then there are computer science graduates.
10:15-11:15	MBEA (pick one)	Instructional Strategies for Engaging Learners P-D-Q (Painless for students, ideas already Developed, and Quick to implement) by Eric Swenson, MT Business Education Specialist This interactive session will provide attendees with ready-to-implement ideas and resources for utilizing various activating, cognitive, and summarizing strategies in any class or subject area. Come prepared to see how you can increase communication, critical thinking, participation, problem solving, and writing skills in your lessons and in your students without having to rewrite your curriculum in just minutes.
Division Breakout Sessions	MAFCSE	Continued: Dig In! School Gardens are Learning Laboratories by Montana TEAM Nutrition
	MITEA	Alcom Tour (9063 Bonner Mill Road, Bonner, MT) Since 2006, ALCOM LLC has produced the most diverse, highest quality aluminum trailer line in the industry. With operations based in Winslow, Maine, the company has grown from a staff of 3 full-time employees, working from a 10,000 square foot facility, to a team of more than 150 dedicated craftsmen, sales associates and office personnel. In February of 2010, doors opened on ALCOM's state-of-the-art, 70,000 sq. ft. manufacturing facility, optimized for modern aluminum trailer production. At present, we serve more than 270 dealerships in 51 States and Provinces, China, India and Kuwait.
	MAAE (pick one)	Continued, 9:00 am Breakout Sessions

October 17, 2014

11:15-11:30	Break	
	MBEA	Technology Splash by Mark Branger, Technology Director, Huntley Project Schools
	(pick one)	This interactive session will dive into the world of Web 2.0 tools, engagement tools for mobile devices, Google Classroom, etc. Bring your smartphone, tablet or laptop and explore some of the latest tools to add excitement and engagement to your classroom. Be prepared to share your best and latest tools for the 21 st century classroom.
11:30-12:30	MBEA	Window to the World: Infusing Global Competence into Your Curriculum by Sandra Williams, Udo Fluck and Steve Klimkiewicz, University of Montana
	(pick one)	Find out how to enhance your classroom by offering a “Window to the World” that transforms the learner and enriches the classroom environment. This presentation will demonstrate how a partnership between UM’s College of Education and Human Sciences and the Global Gateway program, based in the UM’s Office of International Programs, supports the development of students as global citizens. In the examples used, cultural and global content is infused into existing curricula through tailor-made modules that connect to individual classroom learning goals, supplying hands-on knowledge about diverse people, cultures, and locations.
Division Breakout Sessions	MAFCSE	Business Meeting and OPI Update
	MAAE	Continued, 9am Breakout Sessions
	MITEA	Continued, Alcom Tour
12:00-12:45	MACTE	Renewal Unit Signing
1:00-2:30	MACTE	Montana ACTE Board Meeting

College Credit and Renewal Units

1 College Credit from MSU Billings:

Syllabus Requirements:

- Actively attend ALL institute sessions
 - Complete a renewal unit stamp form (available at registration) to confirm attendance (although you cannot earn both renewal units and college credit)
- Create a lesson plan that integrates Literacy or Math in CTE for your discipline. Lesson plans due November 6, 2014.

How to sign up:

- At the conclusion of the institute submit the following at the registration desk:
 - Completed renewal unit stamp form
 - Completed MSU Billings registration form
- Cost is \$199

Questions? Contact Dr. Lyle Courtnage at lyle.courtnage ©subillings.edu

Renewal Units

12 Renewal units available

Complete the renewal unit stamp form during the conference.

Submit for the renewal form at noon on Friday.

Lodging & Conference Venue



Holiday Inn Downtown
 200 South Pattee
 Missoula, MT 59802
 1.406.721.8550
 1.888.465.4329

Rate: \$92+tax
 Room block ends:
September 20

Questions



Nicole Wanago,
 Institute Coordinator

3875 Corwin Street
 Bozeman, MT 59718
 406.581.7285
nwanago@hotmail.com

MEMBERSHIP CHALLENGE



Become a **NEW** member or **RENEW** your membership if it has lapsed for one year or more for the chance to win...



Google ChromeBook
(\$250 value)



Up to \$500 to attend Region V or National ACTE

Current members can **RECRUIT** new members for the chance to win...

\$500 for your division

BECOME a member today

www.montanaacte.org



The fine print...

- Contest runs July 1, 2014-June 30, 2015.
- Winner will be announced in August 2015.
- New or renewed members after a one year lapse will automatically be entered into a drawing. The ChromeBook will be purchased by Montana ACTE and provided to the winner. The up to \$500 stipend will be reimbursed to the winner upon attendance at the 2016 Region V or 2015 National ACTE conferences. Prizes may not be transferred.
- Renewed members after a one year lapse have not been a member of Montana ACTE since June 2013.
- New members include students, professional members or retired members.
- Montana ACTE is a unified state. Membership must include National ACTE, Montana ACTE and division dues to be eligible.
- \$50 will be awarded to the member who recruits the most new members. New or renewed members must indicate you recruited them on their membership form or email Nicole Wanago at nwanago@hotmail.com.
- \$500 will be awarded to the division who has the most new members (based on actual number of new or renewed members, not percentage increase).

Funding possible by a grant from National ACTE Region V as a competition among states.