PUBLIC MEETING

All comments received become part of the official public record of the Negotiated Rulemaking Committee proceedings in accordance with MCA 2-3-212.

This meeting is being recorded and streamed via MPAN.

Please use the microphone whenever you are speaking.

Remote participants are joining this meeting via conference call.
| Call to Order     | • Housekeeping   |
|                 | • Review Process and Guidelines |
| Proposed Rule Changes | • Complete Computer Science Discussion   |
|                 | • Technology Integration |
| Lunch           |                               |
| Proposed Rule Changes | • Technology Integration (continued)   |
|                 | • Library Media / Information Literacy |
| Economic Impact Survey Questionnaire |                       |
| Negotiated Rulemaking Timeline |                   |
| Public Comment  |                               |
| Adjourn         |                               |
HOUSEKEEPING

- Restrooms and Breaks
- Connectivity Check/ Device Setup
- Committee Agenda Packet
- Lunch break at 12 p.m.
- Work Session concludes at 4 p.m.
CALL TO ORDER
ROLES AND RESPONSIBILITIES

**Committee Members**

- review drafts prepared by the revision team to provide feedback and a recommendation to the Superintendent on the draft
- assist in determining the economic impact of the draft

**OPI and BPE Staff**

- support the work of the committee
PROCESS

Montana Constitution

Montana Code Annotated (Legislature)

Administrative Rules of Montana (OPI → NR Committee → OPI → BPE)

Policy (School Trustees)

Procedure (School Administrator)

Where are WE?
NRC PROPOSED TIMELINE

- NRC meets December 5, 2019
- Economic Impact Analysis Survey opens December 18, 2019 (CS Only)
- NRC meets January 10, 2020
- Economic Impact Analysis Survey closes January 31, 2020
- Negotiated Rulemaking Comment period ends January 31, 2020
- NRC meets February 12, 2020
- NRC recommendation due to Superintendent February 14, 2020
- Economic Impact Analysis due to Education Interim Committee February 19, 2020
MAPA PROPOSED TIMELINE

Introduction of work on rule changes to BPE March 2020

Education Interim Committee reviews Economic Impact Analysis March 2020

Proposed new rules to BPE for approval May 2020

Proposed notice of hearing to BPE for approval of publication May 2020

Proposed notice to SOS for notice in MAR June 2020

Public Hearing date in July/August 2020

Final Public Input deadline August 2020

Adoption Notice to BPE for adoption of rules August 2020

BPE Adopts Rules September 2020

Effective Date of Rules July 1, 2021
The Board of Public Education sets forth the following guidelines for content standards revision:

- Standards will define what all students should know and be able to do;
- Standards will be challenging and rigorous;
- Standards will be clear, understandable, and free of jargon;
- Standards will be measurable;
- Standards will address diversity, specifically fulfilling the commitment to implementing Indian Education for All;
- Standards will be consistent with the grade level and grade band structures in ARM Chapter 53; and
- Content standards will be consistent with the program delivery standards described in ARM Chapter 55.
With the purpose of engaging in a transparent and inclusive process, the Board of Public Education sets forth the following considerations for the Office of Public Instruction to incorporate when recommending standards revision:

- comments and recommendations from the Montana public;
- international, national, and other states’ standards;
- implications for program delivery standards (ARM Chapter 55) and licensure standards (ARM Chapter 57);
- implications for local and state assessments;
- entrance expectations for the workplace and post-secondary education;
- student achievement and other related data;
- other evidence-based practices and research on standards and learning expectations from regional, national, and international professional education organizations;
- comments from Montana’s professional education associations;
- comments from tribal and school district educators;
- comments from Montana’s institutions of higher education and the Office of the Commissioner of Higher Education; and
BACKGROUND AND CONTEXT FOR NEW COMPUTER SCIENCE RULES

Computer science skills are necessary for college and career readiness

• Today’s and tomorrow’s jobs require computational thinking, programming, and problem solving skills

Organized by grade level for K-5 and by grade band for 6-8 and 9-12

• Grade level standards for K-5 clarify learning expectations for elementary teachers who teach in all content areas
• Grade band standards for 6-8 and 9-12 clarify expectations and allow for flexibility of program delivery

Integration of Indian Education for All

Progression of skills and content from K-12
# Background and Context for Rule Changes to Technology Integration

Current technology content standards were adopted in 2008

- Program delivery standards (Ch 55) were not proposed or adopted

Organized by grade level for K-5 and by grade band for 6-8 and 9-12

- Grade level standards for K-5 clarify learning expectations for elementary teachers who teach in all content areas
- Grade band standards for 6-8 and 9-12 clarify expectations and allow for flexibility of program delivery

Integration of Indian Education for All

Emphasis on technology integration across content and contexts
BACKGROUND AND CONTEXT FOR RULE CHANGES TO LIBRARY MEDIA

Current Library Media/Information Literacy content standards were adopted in 2008

• Program delivery standards (Ch 55) were not updated in 2008

Organized by grade level for K-5 and by grade band for 6-8 and 9-12

• Grade level standards for K-5 clarify learning expectations for elementary teachers who teach in all content areas
• Grade band standards for 6-8 and 9-12 clarify expectations and allow for flexibility of program delivery

Integration of Indian Education for All

Emphasis on the skills students need to be information literate in any information or problem solving environment
PROPOSED RULE CHANGES

A thumb held up indicates that I understand and am in agreement with the proposal.

A thumb held sideways indicates that I do not understand the proposal.

A thumb held down indicates that I understand and do not agree with the proposal.
DRAFT PROPOSALS

Content Standards

• ARM Chapter 53 and 54

Program Delivery Standards

• ARM Chapter 55
DIGGING IN

Review and Consensus Process

Computer Science is not an "add-on" to our current courses but integrated in a way that all teachers can feel empowered to implement and see the importance. Does not need to be only with many Science can be more!

Evolve tech standards to include computational thinking, global learning, digital citizenship, and source evaluation.

-Revision Process

Relevant inclusion of IEEA

What knowledge, skills, resources do teachers need to meet the students
ECONOMIC IMPACT SURVEY

Review template
• Additions?
• Clarification?

Next steps
• Sent to school administrators, business officials, and other interested parties via online survey
WRAP UP FOR COMMITTEE

Next Meeting:

February 12, 2020
Hearing Room 102, Capitol Building
Helena, Montana
9:30 a.m. to 4:00 p.m.
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Please introduce yourself and spell your last name.

If you are speaking on behalf of an organization, identify the organization and your association with the organization.
KIRSTEN MADSEN
FACILITATOR

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Thank you for your commitment to Montana Education.

Safe Travels!