Colorado Standards Review and Revision  
Summary of Proposed Revision: Mathematics

Colorado state law requires a review and revision of the Colorado Academic Standards every six years with the first review to be completed by July 2018. Stronger alignment of learning expectations within and across grades has been the primary focus of the review and revision process. When aligning expectations within standards, the result is deletions, revisions, additions, and reorganization. This includes additions, deletions, revisions and reorganizations of the standards. This document provides a summary of the substantive revisions that the drama and theater arts standards review committee recommends. Public feedback is being sought from Oct. 16 through Nov. 27, 2017. For more information, please visit: [http://www.cde.state.co.us/standardsandinstruction/casreview-publicfeedbackresources](http://www.cde.state.co.us/standardsandinstruction/casreview-publicfeedbackresources).

The review committees are proposing common changes to the structure of the standards that apply to all content areas. These include:

- Changes to the title of the Prepared Graduate Competencies section of the standards document to Prepared Graduate Statements to reduce confusion with competency-based learning systems of instruction and assessment practices.
- Changes to the title of the right side of the standards document from 21st Century Skills and Readiness Competencies to Academic Context and Connections. The sections within the Academic Context and Connections continue to focus on essential skills and relevant connections to the Grade Level Expectations. The committees are proposing some variation to the sub-sections in order to capture the unique subject specific elements needed to create context for learning.

Finally, revisions to the preschool standards for all content areas contain proposed revisions to align the expectations with Colorado’s Early Learning and Development Guidelines and the latest revision of the Head Start Early Learning Outcomes Framework.

**Proposed Revisions Applicable to All Grades (Preschool through 12th grade):**

- The Prepared Graduate Statements for mathematics have been largely rewritten to focus on a prepared graduate’s ability to solve, reason, think, and communicate mathematically.
- The committee recommends shifting the evidence outcomes specific to personal financial literacy to the economics standards in social studies.
- The revision committee proposes consolidating evidence outcomes related to measurement and data under Standard 3 Data, Statistics, and Probability.

**Proposed Revisions for Preschool through 5th Grade:**

- Other than minor edits to a small number of evidence outcomes, the revision committee does not recommend additional changes to the preschool through 5th grade standards from what is mentioned above.
Proposed Revisions for Middle School (6th grade through 8th grade):
- Other than minor edits to a small number of evidence outcomes, the revision committee does not recommend additional changes to the 6th grade through 8th grade standards from what is mentioned above.

Proposed Revisions for High School (9th grade through 12th grade):
- The mathematics review committee had substantial conversations regarding the high school standards. Public feedback contained statements that were sometimes contradictory about what content was important versus what should be eliminated. In response, the committee is putting forth draft revisions that include extended mathematics expectations for Colorado educators, the State Board of Education, and Coloradans to consider.
  - **Detail for adding extended expectations:** To address the need for greater clarity about what content is expected for all students versus what content is appropriate for students to take advanced courses such as calculus, advanced statistics, or discrete mathematics, evidence outcomes have been added related to advanced mathematics and are indicated by with a symbol (+). These additions are intended to provide more coherence and specificity about the content that is expected of all students versus content that only some Colorado high school students will experience. Although this adds to a large amount of content already expected to be learned in high school, it defines the breadth in a way that makes the high school standards comparable in scope, relevance, and rigor to the highest national and international standards. The department anticipates releasing a survey to ask explicit questions around this proposal that will inform the committee’s decision making process.

For further detail regarding the standards review and revision process the following resources are available:
- **Review Criteria for High Quality Academic Standards:** This resource provides a compilation of critical elements needed for high quality state standards.
- **Online feedback system:** This system enables all Coloradans to review the revisions embedded within the standards and offers commenting capabilities to share feedback directly to the review and revision committees.
- **Complete lists of proposed revisions:** These spreadsheets outline each revision proposed including a side by side comparison between the current standards and the proposed revision and the rationale for the recommendation.

For more information about the standards review and revision process, please visit: [https://www.cde.state.co.us/standardsandinstruction/casreview](https://www.cde.state.co.us/standardsandinstruction/casreview).

For more information about the Mathematics committee, please visit: [http://www.cde.state.co.us/standardsandinstruction/cas-committees-mathematics](http://www.cde.state.co.us/standardsandinstruction/cas-committees-mathematics).