

Review and Revision of the Nebraska Mathematics Standards

**Math and Science Summit
December 8, 2014**





Mathematics Review for College & Career Ready

- **Why?**
- **When?**
- **How?**
- **What?**
- **Who?**



Section 79-760.01. Academic content standards State Board of Education Duties:

- **Adopt measurable academic content standards for at least the grade levels required for statewide assessment pursuant to section 79-760.03.**
- **The standards shall cover the subject areas of reading, writing, mathematics, science, and social studies.**
- **The State Board of Education shall develop a plan to review and update standards for each subject area every five years.**



Standards Revision Schedule

Content Area	Adopted
Reading/Writing	September 5, 2014
Mathematics	October 8, 2009
Science	October 6, 2010
Social Studies	December 7, 2012
Fine Arts	March 4, 2014



Consistent Process

- **Utilize Nebraska Educators**
 - **K-16 Expertise**
 - **Large Writing Group**
 - **Smaller Editing Committee**
- **Call Upon Postsecondary Institutions to Provide Input and Certify as College and Career Ready**
- **Review and Incorporate Ideas from Nationally Recognized Resources and Best Practices Research**
- **Maintain On-going Communication with State Board and Board Subcommittee**
- **Encourage Public Input**

Standards

Curriculum

Instruction

K-12 Comprehensive Content Standards



Grade Level Standards



Curricular Indicators



Local Curriculum



Lesson Plans



Classroom Instructional Strategies



Specific Strategies for Individual Students

Determined by State Board

Required for all

Determined by State Board

Specific Guidance - NeSA Items Intersect

Required for all

Determined by Local School

Districts/

Classroom Teachers



Emphasis on College And Career Readiness

ACT Definition

“The level of achievement a student needs to be ready to enroll and succeed—without remediation—in creditbearing first-year postsecondary courses.



Higher Education Participants

- **Nominated by the heads of their institution**
 - For their expertise
 - Given authority to sign off for their institution
- **All 4 Nebraska systems participated**



State Board Charge

- **Work with the existing Nebraska standards to ensure they are College Ready**
- **Simply adopting the Common Core is not an option**
- **Necessary for ESEA Flexibility Waiver**
- **Ensures Nebraska Students have the same opportunity to learn**



Tentative Timeline

- Nov 2013 Convened HE representatives
- Oct 14 Mathematics Discussion
- Nov 6 State Board Update
- Nov 19-20 Initial – Large Writing Group
- Dec 4 SB Standards Subcommittee
- Dec 9-10 Second Large Writing Group
- Jan 8 SB Standards Subcommittee
- Jan 12 Editing Committee



Tentative Timeline - continued

- Jan Business Representatives Input
- Jan 21-22 Third Large Writing Group
- Feb 3-4 Editing Committee
- Feb 5-6 State Board Update
- Spring Public Input
- Late Summer Board Approval



Writing Team

- **K-16 Educators**
- **Representing 13 out of 19 ESUs**
- **From varying sizes of districts**
- **NDE Specialists**



How can You get involved?

- **View webcast of board updates**
- **Read math newsletters**
- **Check out NDE Website**
- **Attend input sessions**
- **Complete web survey**



Now...

**Let's hear from teachers
and math coaches**



What are your hopes for the revision process?

How do the standards impact your work?

What it is that teachers need from the standards to enable them to best meet the needs of their students?

What do we need to do, at the grade level(s), to ensure that our standards are building toward the College and Career Ready graduate?



**Thank you for attending
our session**

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