



NEW STANDARDS NEWS LETTER

May 13, 2013
Volume VIII

Greetings Thank you for reading this edition of the *New Standards Newsletter*. Today we will focus primarily on the Math Standards.

There will NOT be an activity from the district office during this week's collaboration meeting.

Please check out the EED's on-line toolkit for more detailed information
<http://education.alaska.gov/standards/toolkit.html>

Today at 3:30, the ELA Curriculum Committee will be participating in a webinar designed to explore how the standards are structured and how to read them. Please feel free to join us if you are able.

The link for the webinar is:

<https://sas.illuminate.com/m.jnlp?password=M.1CD18BE472FED2327A89E7A5185FF1&sid=201017>

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If anyone needs to listen to the audio over the telephone they can call the following teleconference: 1-800-315-6338 pin 7767

“Major Work” in Math – the priorities

Grades K- 2 – Addition and subtraction; concepts, skills, and problem solving

Grades 3- 6 – Multiplication and division of whole numbers and fractions; concepts, skills, and problem solving

Grade 6 – Ratios and proportional relationships; early expressions and equations

Grade 7 – Ratios and proportional relationships; arithmetic of rational numbers

Grade 8 – Linear Algebra

Reviewing the 3 Math Shift basics

- 1) *Focus*: In each grade or course, focus deeply on 2-4 topics
- 2) *Coherence*: *Think* across grades and *link* to major topics within grades
- 3) *Rigor*: In major topics pursue conceptual understanding, procedural skill and fluency, and application with equal intensity

YKSD will begin a “Transition” phase into the new Standards in the 2013-14 school year and “Full Implementation” for the 2014-15 school year.

The first state assessments for the new Standards will be in the spring of 2015.

The new Standards move away from “mile wide, inch deep” learning. In the past, we tried to “cover” too many topics with little time to build command of anything. The first shift directs us to focus deeply on two to four topics.

Math Shift Basics

Shift 1 – Focus: Students focus deeply on 2-4 topics for each grade level.

- A. Students spend the large majority of their time, approximately 75%, on the major work of that grade level.
 - Given the particular clusters designated as major in grade 7, the criteria for that grade is 66% rather than 75%.
- B. Students are assessed **ONLY** on topics that are in the standards for **THEIR** grade

Shift 2 – Coherence: The lessons and tasks students encounter reinforce coherence across and within grade levels.

- A. The lessons and tasks are consistent with the grade specific expectations in the Standards.
- B. The supporting content that students encounter reinforces the major work of the grade.

Shift 3 – Rigor: Students pursue conceptual understanding, procedural skill & fluency and application

- A. Students achieve conceptual understanding of key mathematical concepts, where called for in specific content standards or cluster headings.
- B. Students master all of the procedures and reach the fluencies in arithmetic required by the Standards for their grade.
- C. Students use mathematics in the context of engaging applications.

We will significantly narrow the scope of our math content and deepen how time and energy is spent in the math classroom. Focus deeply only on what is emphasized in the standards, so students gain a strong foundation.

Once the new Math Standards are fully implemented, our classroom tests should only assess what the new Standards list for that particular grade level.

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is
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PROBABILITY OF LEARNING**

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