

The New State Board of Education

Accountability / World-Class Math and Science Standards / Meaningful Diploma

Next Steps for New K-12 Math Standards

March 26, 2008



OSPI Task to Revise Math Standards

- ✦ Use SBE September 2007 recommendations to complete a revision of K-12 math standards by January 31, 2008. (Dana Center at UT Austin and large group of Washington educators involved in revisions, public feedback sessions held).
- ✦ Due to short legislative timeline, extension granted to revise January 31 version and create February 29 version.



Example of Revised 2nd Grade Math Standards

Old Standard: Understand and apply concepts and procedures from number sense

Computation

- ✦ *1.1.5:* Understand the meaning of addition and subtraction and how they relate to each other.
- ✦ *1.1.6:* Use Computational procedures for addition and subtraction of whole numbers to 18.
- ✦ *1.1.7:* Apply appropriate strategies and use tools for adding and subtracting whole numbers.

*New Standard: Core Content:
Addition and Subtraction*

Performance Expectation

- ✦ *2.2.A:* Explain and use strategies for remembering addition and subtraction facts to 20.
- ✦ *2.2.B:* Quickly recall basic addition facts and related subtraction facts for sums through 20.
- ✦ *2.2.C:* Solve a variety of addition and subtraction problems and justify solutions.



Board's Role in OSPI Math Standards Revision

✦ Board asked Strategic Teaching to do two follow up reviews (February and March) to determine how well the new OSPI Math Standards met the Board's September 2007 recommendations to OSPI.

✦ Strategic Teaching met with SBE Math Panel to discuss February review.



Strategic Teaching

March 10 Report

Findings:

- ✦ WA State Standards are a vast improvement over standards that were in place a year ago.
- ✦ K-8 close to excellent (address clarity issues, mixing instructional methods in standards, and polishing language).
- ✦ Grades 9-12 need more work (address precision of language, missing content, and content organization).



Strategic Teaching

March 10 Report

Recommendations to make world class:

- ✦ Conduct shortened exemplar review on OSPI February Standards similar to last year's exemplar review (nine criteria, other states, countries and national frameworks).
- ✦ Do substantive edit of grades K-8 on language; content is very good and can be done quickly.
- ✦ Revise grades 9-12 to address language and core content.



2008 Legislative Direction to Board

- ✦ Hire national consultant to analyze OSPI February Math Standards:
 - Conduct exemplar review
 - Recommend specific language and content changes
 - Present findings to SBE

- ✦ By May 15 review consultant work, consult with SBE Math Panel, and hold public hearing. Direct modifications if necessary and forward to OSPI for implementation.

- ✦ By July 31 approve OSPI adoption of revised standards or develop plan for adoption of standards by September 25.



Board's Next Steps on Math Standards

- ✦ March 26-27 hear from public on Strategic Teaching
March 10 draft or OSPI K-12 math standards draft.
Extend Strategic Teaching's contract.
- ✦ April 18 special SBE meeting to review Strategic Teaching's report on K-8 standards, public comment taken, and decide if ready for OSPI implementation and adoption.
- ✦ May 1 SBE Math Panel Meeting.



Board's Next Steps on Math Standards

- ✦ May 14-15 regular SBE meeting to review Strategic Teaching's report on Algebra I and Geometry standards, public comment, and decide if ready for OSPI implementation and adoption.
- ✦ June 18? SBE Math Panel meeting.
- ✦ July 23-24 regular SBE meeting to review Strategic Teaching's report on Algebra II standards, public comment, and decide if ready for OSPI implementation and adoption. If any standards are not ready for OSPI adoption, Board must develop plan.

