Common Core State Standards

Tom Adams, Director
Standards, Curriculum Frameworks & Instructional Resources Division
September 2011

Agenda

• Overview
• Frameworks & Adoptions Timelines
• Legislation
• Superintendent’s Review
• Common Core State Standards
• Questions
California and the Common Core State Standards

Senate Bill 1 from the Fifth Extraordinary Session (SB X5 1):
- established an Academic Content Standards Commission (ACSC) to develop standards in mathematics and English–language arts
- stated that 85 percent of the standards were to consist of the CCSS with up to 15 percent additional material
- directed the State Board of Education (SBE) to adopt or reject recommendations of the ACSC

Materials Implementation Timeline 1

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Math</th>
<th>ELA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Curriculum Commission approves plan, timeline and criteria committee application</td>
<td>Completed</td>
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</tr>
<tr>
<td>Field review of framework</td>
<td>9/2012</td>
<td>9/2013</td>
</tr>
<tr>
<td>SBE action on framework</td>
<td>5/2013</td>
<td>5/2014</td>
</tr>
<tr>
<td>Common core assessments</td>
<td>2014–15</td>
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</tr>
<tr>
<td>Materials submission</td>
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<tr>
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</table>

Assumes the passage of Assembly Bill 250 (Brownley), which partially lifts the suspension under EC Section 60200.7, and Curriculum Commission funding for 2011 and subsequent years.
Materials Implementation Timeline 2

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Math</th>
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Reflects Senate Bill 70, which extended the legislative suspension under EC Section 60200.7 through July 1, 2015.

Proposed Legislation 2011

<table>
<thead>
<tr>
<th>Legislation</th>
<th>Proposed Action</th>
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<tr>
<td>AB 250 (Brownley)</td>
<td>Frameworks &amp; Adoptions</td>
</tr>
<tr>
<td>SB 140 (Lowenthal)</td>
<td>Superintendent's Review</td>
</tr>
</tbody>
</table>

For the latest information on pending bills: http://www.leginfo.ca.gov/bilinfo.html
Common Core State Standards Implementation

- The SBE adopted the CCSS in 2010
- New assessments scheduled for 2014
- Last SBE mathematics adoption in 2007
- Last SBE English language arts adoption in 2008
- Next likely SBE adoption of materials in 2018
- Question—What materials will teachers have available to help them cover the CCSS?

Superintendent’s Review of Supplemental Materials

- The Superintendent of Public Instruction, Tom Torlakson, is inviting publishers of currently adopted instructional materials in mathematics and English Language Arts to submit supplemental materials for review.
- Materials designed to bridge the gap between the content in the adopted materials and the CCSS
Purpose of the Review

- Whether or not the supplemental materials—in conjunction with the adopted materials—provide full coverage of the CCSS with California additions for the given subject and grade level(s).

Intent:
- Supplemental materials include the minimum amount of content needed to fully address the CCSS; and
- Costs for districts to purchase and implement the supplements be kept as low as possible

Project Overview

| Phase I (Fall 2011) | • Review of standards maps for existing adopted programs
|                    | • by CDE staff
|                    | • Results sent to publishers |
| Phase II (Spring/Summer 2012) | • Review of supplemental materials
|                             | • by select reviewers and experts
|                             | • List of recommended supplemental materials posted on CDE Web site |
This process is…

• Conducted by the CDE
• Voluntary
• Only for publishers of current SBE-adopted basic materials
• A review of supplemental materials not full programs
• Only an advisory for school districts
• Not a state adoption

Programs Eligible for Review

• Mathematics – SBE-adopted in 2007
  – Kindergarten through grade seven basic grade level programs
  – No grade eight programs
  – No intervention/algebra readiness programs
• English language arts – SBE-adopted in 2008
  – Kindergarten through grade eight, program types 1-3
  – No intervention programs
Evaluation Criteria

1. Aligned to the CCSS
2. Conform to Standards for Evaluating Instructional Materials for Social Content
3. Must be accurate, use proper grammar and spelling, and be free from all errors
4. Meaningful assessments
5. Comprehensive teacher guidance in efficient instruction for all students
6. Clear instructions for supplemental materials integration

Final Actions

September/October 2012

• Item submitted by the CDE as an advisory to the State Board
• Letter from the Superintendent to Publishers
• Letter/News Release from the Superintendent to Local Educational Agencies
• Posting of Superintendent’s Report/Recommendations on the CDE Web site
Common Core Standards for English Language Arts & Literacy in History/Social Studies, Science, and Technical Subjects

- The Common Core Standards for English Language Arts & Literacy in History/Social Studies, Science, and Technical Subjects are organized around the College and Career Readiness (CCR) Standards for Reading, Writing, Speaking and Listening, and Language.

- Each strand is headed by a set of CCR anchor standards that is identical across all grades and content areas.

- The Common Core Standards for English-language arts also set requirements for reading and writing in the social and natural sciences.

Common Core Standards for English Language Arts & Literacy in History/Social Studies, Science, and Technical Subjects

The Standards comprise three main sections:
- a comprehensive K–5 section
  - includes standards for foundational skills
- two content area-specific sections for grades 6–12
  - one for English-language arts
  - one for literacy in history/social studies, science and technical subjects.
Balanced Representation of Literary and Informational Text

- Kindergarten through grade 5
  - 10 Reading standards for literature
  - 10 Reading standards for informational text
  - Writing standards that explicitly call for opinion pieces, narratives, and informative/explanatory texts

- Grades 6-12
  - 10 Reading standards for literature
  - 10 Reading standards for informational text
  - Writing standards that explicitly call for arguments, narratives, and informative/explanatory texts
  - An additional set of standards for reading and writing in history/social studies, science and technical subjects

Focus on Text Complexity

- By the end of the year, read and comprehend literature, including stories, dramas, and poetry, at the high end of the grades 4–5 text complexity band independently and proficiently. (5.RL.10)

- Initiate and participate effectively in a range of collaborative discussions (one-on one, in groups, and teacher-led) with diverse partners on grades 11–12 topics, texts, and issues, building on others’ ideas and expressing their own clearly and persuasively. (11-12.SL.1)
Vocabulary Acquisition

★ Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups. (2.SL.1)

★ Use precise language and domain-specific vocabulary to inform about or explain the topic. (7.W.2.d)

★ Determine the meaning of word and phrase as they are used in the text, including figurative and connotative meanings; analyze the cumulative impact of specific word choices on meaning and tone (e.g., how the language evokes a sense of time and place; how it sets a formal or informal tone). (9-10.RL.4)

Critical Analysis and Use of Evidence

★ Distinguish their own point of view from that of the narrator or those of the characters. (3.RL.6)

★ Summarize the points a speaker or a media source makes and explain how each claim is supported by reason and evidence, and identify and analyze any logical fallacies. (5.SL.3)

★ Develop claim(s) and counterclaim(s) fairly and thoroughly, supplying the most relevant evidence for each while pointing out the strengths and limitations of both in a manner that anticipates the audience’s knowledge level, concerns, values, and possible biases. (11-12.W.1.b)
**Mathematical Proficiency**
as defined by the California Framework (2006)

- Conceptual Understanding
- Problem Solving
- Procedural Skills

**Common Core Standards for Mathematics**

The standards for mathematics:
- aim for clarity and specificity
- stress conceptual understanding of key ideas
- balance mathematical understanding and procedural skill
- are internationally benchmarked

\[(a + b)^2 = a^2 + 2ab + b^2\]
Common Core Standards for Mathematics

Two Types of Standards
• Mathematical Practice (recurring throughout the grades)
• Mathematical Content (different at each grade level)

Standards for Mathematical Practice

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.
Grade Shifts: Examples

<table>
<thead>
<tr>
<th>Concept</th>
<th>1997 Standards</th>
<th>CCSS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compose simple shapes to form larger shapes (e.g., 2 triangles to form a rectangle)</td>
<td>Grade 2</td>
<td>K</td>
</tr>
<tr>
<td>Introduction to Probability</td>
<td>Grade 3</td>
<td>Grade 7</td>
</tr>
<tr>
<td>Introduction of fractions as numbers</td>
<td>Grade 2</td>
<td>Grade 3</td>
</tr>
<tr>
<td>Add and subtract simple fractions</td>
<td>Grade 3</td>
<td>Grade 4</td>
</tr>
</tbody>
</table>

Grade 8 Mathematics

- The CCSS prepare students for Algebra 1 in grade 8.

- The CCSS also include a set of challenging grade 8 standards to prepare students for success in higher math, including Algebra 1.
High School Mathematics

Courses in higher level mathematics: Precalculus, Calculus*, Advanced Statistics, Discrete Mathematics, Advanced Quantitative Reasoning, or courses designed for career technical programs of study.

- Algebra II
- Mathematics III
- Geometry
- Mathematics II
- High School Algebra I
- Mathematics I

Traditional Pathway
Typical in U.S.

Integrated Pathway
Typical outside of U.S.

Source: Appendix A of the CCSS for Mathematics at http://www.corestandards.org
CDE on iTunes U

Source: http://www.cde.ca.gov/re/mm/it/

Resources

For more information, visit the California Department of Education's Common Core State Standards Web page at:

http://www.cde.ca.gov/ci/cc

• The standards
• Frequently asked questions
• Informational flyers
• Additional resources

For additional information, contact:
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