SNARTER Balanced Assessment Consortium

Alliance for Excellent Education September 13, 2011

Washington DC



Assessment System Update



Work Plan Procurement Schedule

- Collaborative/Transparent Process
- 1100 Comments
- July 21-22 Meeting of SBAC States and Vendor Community
- Comprehensive Plan





Balanced Assessment Consortium

ELA/Literacy Content Specifications Overview



An Overview of SBAC's Approach to Evidence-Based Design

Content Specifications ...

- Create a bridge between standards and assessment and, ultimately, instruction
- Organize the standards around major constructs & big ideas
- Express what students should learn and be able to do





An Overview of SBAC's Approach to Evidence-Based Design

Claims and Evidence

•Clarify *what* abilities students should develop and *how we will know* what students understand and can do

•Provide a *disciplined approach* to creating assessments that will allow us to both guide and evaluate what we do

Prototypes

•Exemplar items and tasks (along with rubrics) illustrate *how* the abilities should be assessed

•Annotations of prototypes explain key features that are important to good measurement of the constructs



5 Major Claims for ELA/Literacy & Literacy

- Claim #1 Students can read closely & critically to comprehend a range of increasingly complex literary and informational texts.
- **Claim #2** Students can produce effective writing for a range of purposes and audiences.
- **Claim #3** Students can employ effective speaking and listening skills for a range of purposes and audiences.
- **Claim #4** Students can engage appropriately in collaborative and independent inquiry to investigate/research topics, pose questions, and gather and present information.
- **Claim #5** Students can use oral and written language skillfully across a range of literacy tasks.



Each claim is described for assessment

- Rationale for each claim
 - Why is this learning goal important for College & Career Readiness (CCR)?
 - What does the research say about learning in this area?
- What does 'sufficient' evidence look like?
 - What types of items/tasks?
 - What content/texts will be emphasized?
- What are some suggested reporting categories?





Overview of Mathematics Priorities



Design of the Mathematics Standards





Postsecondary instructors want deeper mastery of fewer things



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International Comparisons

		K	1	2	3	4	5	6	7	8	
	Whole number meaning										
	Whole number operations										
	Measurement Units										
	Common fractions										
	Equations & Formulas										
	Data Representation & Analysis										
	2-D Geometry: Basics										
	Polygons & Circles										
	Perimeter, Area & Volume										
	Rounding & Significant Figures										
	Estimating Computations										
	Properties of Whole Number Operations										
Mathematics	Estimating Quantity & Size										
Topics	Decimal Fractions										
Topics	Relationship of Common & Decimal Fractions										
intended at	Properties of Common & Decimal Fractions										
each grade	Percentages										
hu at la sat	Proportionality Concepts										
by at least	Proportionality Problems										
two-thirds of	2-D Coordinate Geometry										
A+ countries	Geometry: Transformations										
	Negative Numbers, Integers & Their Properties										
	Number Theory										
	Exponents, Roots & Radicals										
	Exponents & Orders of Magnitude										
	Measurement Estimation & Errors										
	Constructions w/Straightedge & Compass										
	3-D Geometry										
	Congruence & Similarity										
	Rational Numbers & Their Properties										
	Patterns, Relations & Functions										
	Slope & Trigonometry										
	Number of topics checked in 2/3 of A+ countries		3	3	7	15	20	17	16	18	
	Number of additional topics in A+ countries		2	6	5	1	1	3	6	3	

Focus

Coherence



Focus and Coherence

- Common Core State Standards for Mathematics (CCSSM) were designed to address the "mile-wide, inch-deep" problem in standards and textbooks
- Focus means spending more time on fewer things at each given grade level.
- Coherence means structuring learning so that math makes sense.
- Focus and coherence are built into the Standards and are meant to work together.



Preserving Focus and Coherence in Implementation

- Curriculum
- Instruction
- Teacher education and professional development
- Assessment



Implementation Challenges

- Mile-wide/inch-deep traditions
- Attaining CCSSM balance
 - conceptual understanding
 - procedural skill
 - application
- Connecting content and practices
- Grain size in CCSSM
- Psychometric culture





Preserving Focus and Coherence by Setting Sound Priorities in K-8

- Follow contours of progressions in the standards
 - Ensure sufficient attention is paid to key beginnings
 - Ensure attainment of key ends
 - Balance "journey" and "endpoint"
- Reveal shifts in focus from grade to grade
- Ensure that sufficient resources are being focused on keeping students on-track to college and career readiness



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.



Connecting the Standards for Mathematical Practice to the Standards for Mathematical Content

The Standards for Mathematical Practice describe ways in which developing student practitioners of the discipline of mathematics increasingly ought to engage with the subject matter as they grow in mathematical maturity and expertise throughout the elementary, middle and high school years.

. . .

In this respect, those content standards which set an expectation of understanding are potential "points of intersection" between the Standards for Mathematical Content and the Standards for Mathematical Practice. These points of intersection are intended to be weighted toward central and generative concepts in the school mathematics curriculum that most merit the time, resources, innovative energies, and focus necessary to qualitatively improve the curriculum, instruction, assessment, professional development, and student achievement in mathematics.



Students should learn both the core mathematical knowledge described earlier in this presentation, and the core mathematical practices listed above.

Assessment should provide students the opportunity to demonstrate their proficiency with both content and practices.



Accordingly, SBAC Assessments focus on these CLAIMS regarding student proficiency

Claim #1: Students can explain and apply mathematical concepts and carry out mathematical procedures with precision and fluency.

- *Claim #2:* Students can frame and solve a range of complex problems in pure and applied mathematics.
- *Claim #3:* Students can clearly and precisely construct viable arguments to support their own reasoning and to critique the reasoning of others.
- *Claim #4:* Students can analyze complex, real-world scenarios and can use mathematical models to interpret and solve problems.



SBAC Content Specifications and Content Mapping Development Timelines and Activities

#	Review Steps	Date
1	Internal Paviaw Start: ELA/Literacy	07/05 (Tuo)
-	TEAL iteracy contents specifications distributed to specific work groups for preliminary review and feedback	07/05 (102)
2	Let y laced y content point and a statistical to specific work proportion premining view with recebering	07/15 (Fri)
_	- Emailed to SBAC	
3	Technical Advisory Committee (TAC) Review Liaison Review: ELA/Literacy	07/27 (Wed)
	- Draft submitted to TAC for review, comment, and feedback	
4	Webinar: ELA/Literacy (Including Evidence-Based Design Orientation)	08/08 (Mon)
	Orientation to Evidence-Based Design and walkthrough of draft ELA/Literacy specifications document	
5	5 Release for Review: ELA/Literacy (Round 1)	
	ELA/Literacy specifications documents posted on SBAC Web site & emailed to stakeholder groups	
6	Internal Review Start: Mathematics	08/10 (Wed)
	- Mathematics content specifications distributed to specific work groups for preliminary review and feedback	
7	Technical Advisory Committee (TAC) Review Liaison Review: Mathematics	08/10 (Wed)
~	Draft submitted to TAC for review, comment, and feedback	00/45 (04)
8	Internal Review Due: Mathematics	08/15 (Mon)
•	- Emailed to SBAC	08/15 (Mar)
9	Current defits of ELM/literacy and Mathematics contracts assisted to OSPL Web site to support them Specifications PED process	08/13 (10011)
10	Content unars of Eby Eletacy and waitematus content specifications possed to Corr web site to support term specifications for Process	08/22 (Mon)
10	- Updated receives of specifications to blocks, carbon and the state of the specifications REP process	00/22 (1001)
11	Webinar: Mathematics (Including Evidence-Based Design Orientation)	08/22 (Mon)
	- Walkthrough of the draft Mathematics specifications document	
12	Release for Review: Mathematics (Round 1)	08/22 (Mon)
	- Mathematics content specifications posted on SBAC External Site & emailed to stakeholder groups	
13	Feedback Due: ELA/Literacy (Round 1)	08/29 (Mon)
	- Emailed to SBAC	
14	Feedback Due: Mathematics (Round 1)	09/12 (Mon)
	- Emailed to SBAC	
15	Release for Review: ELA/Literacy (Round 2)	09/19 (Mon)
	- ELA/Literacy content specifications posted on SBAC External Site & emailed to stakeholder groups	
16	Feedback Due: ELA/Literacy (Round 2)	09/26 (Mon)
17	- Emailed to SBA	10/02 (Man)
17	Final content specifications and content imapping Released: ELA/Literaty and content is proceed to Everal participations and content mapping noted to Everal Web site: email participations sent to member states and partner organizations	10/03 (M011)
18	Palaza fra Raviav: Mathematics (Round 2)	10/03 (Mon)
10	- Mathematics content specifications posted on SBAC External Site & emailed to stakeholder groups	10/03 (1001)
19	Feedback Due: Mathematics (Round 2)	10/10 (Mon)
	- Emailed to SBAC	
20	Final Content Specifications and Content Mapping Released: Mathematics	10/17 (Mon)
	- Final Mathematics content specifications and content mapping posted to External Site; email notification sent to member states and partner organizations	





Communications

Balanced Assessment Consortium



GMMB/ Stakeholder Research Approach

- Bipartisan, public opinion research team
- Phase 1 (July–August 2011)
 - Goal: Gain initial understanding of perceptions of SMARTER Balanced in member states and among key influencers
 - Approach: One-on-one interviews with state K-12 and higher education officials, policymakers, and education organizations; focus groups with state and national education membership organizations
- Phase 2 (September–December 2011)
 - Goal: Test messaging for key target audiences and track shifts in awareness over time
 - Approach: Focus groups with teachers, principals, state policymakers; quantitative national survey





System Architecture

Balanced Assessment Consortium



Technology Survey

- Transition to online assessment
- Understanding capacity of local education units
- Monitor progress
- Provide recommendations to each state
- Inform National Policy
 - Broadband Plan
 - ESEA reauthorization
 - Federal budget technology investments





Transition Planning

Balanced Assessment Consortium



SCASS/Implementing Common Core State Standards

- Partnership with Council of Chief State School Officers
- System Emphasis
- Resource Portal
- Meet three times per month
- Coaching support to each State Education Team
 - Monthly calls with Chiefs
 - Monthly calls with team





Graphics by Stacy Goodman, Provided by Dean Fixsen and West Wind Education Policy Inc.

Implementing Common Core State Standards Workgroup

- Webinar Series
- Common Core State Standards
- Survey of SBAC states
- Focused presentations October, 2011 June, 2012



the SMARTER Balanced Assessment Consortium can be found online at

www.k12.wa.us/SMARTER