

# National Assessment Governing Board

## Assessment Development Committee

August 6-7, 2015

### AGENDA

<b>Thursday, August 6</b>		
8:30 am – 4:00 pm	<b>Closed Session</b> <b>ACTION:</b> Review of NAEP Mathematics Pilot Items for 2017 <i>Committee Discussion</i>	Secure material sent under separate cover
<b>Friday, August 7</b>		
10:15 – 10:20 am	Welcome and Agenda Overview <i>Shannon Garrison, Chair</i>	
10:20 – 10:50 am	Update on the 2014 NAEP Technology and Engineering Literacy (TEL) Assessment <i>Emmanuel Sikali, NCES</i>	Attachment A
10:50 – 11:10 am	Update on NAEP/NGSS Comparison Study Presentation at the National Conference on Student Assessment <i>Cary Sneider, ADC Vice Chair</i>	Attachment B
11:10 am – 12:30 pm	<b>Closed Session</b> Update on NAEP Digital-Based Assessments <i>Eunice Greer, NCES</i>	Attachment C
	Information Item: NAEP Item Review Schedule	Attachment D



## **NAEP Technology and Engineering Literacy (TEL) Assessment Update**

In the spring of 2014, the first-ever national NAEP TEL assessment was administered via computer to a nationally representative sample of 22,000 8<sup>th</sup> graders. The assessment was designed to gauge how well students can apply their understanding of technology principles to real-life situations. Results will be available at the national level only and will be released as The Nation's Report Card. An innovative component of the assessment is the incorporation of interactive scenario-based tasks.

In this session, NCES will present to the Assessment Development Committee an overview of TEL report development. In previous sessions, the Governing Board has indicated several important goals for the TEL report:

- Enable users to explore the tasks;
- Provide results of interest to policymakers, educators, and the general public; and
- Use engaging multi-media features on the homepage to explain more about the TEL construct.

This session will demonstrate how components of the web report design accomplish these stated objectives. More specifically, the presentation will include the following:

- A demonstration of how the sample released tasks compose the richest information on the site, providing users with opportunities to:
  - take tasks as students did during the assessment;
  - receive their answers along with correct responses or scoring criteria and performance data after taking a task; and/or
  - explore multi-media presentations of parts of the tasks that describe the skills students demonstrated, performance data, and related survey questionnaire responses.
- An outline of results included, especially the prominent use of survey questionnaire indices and other results related to policy interests.
- An explanation of a new motion graphic to help engage audiences and explain more about TEL on the report homepage.

**Presentation at the Council of Chief State School Officers (CCSSO)  
National Conference on Student Assessment**

**Comparing NAEP and the  
Next Generation Science Standards (NGSS)**

**June 24, 2015  
San Diego, CA**

**Session Abstract:**

This symposium will present the results of a recent study commissioned by the National Center for Education Statistics (NCES) to compare the Next Generation Science Standards (NGSS) with the National Assessment of Educational Progress (NAEP) frameworks in science, technology and engineering literacy (TEL), and mathematics. Three presentations will be provided that focus on the comparison between NGSS and each of the NAEP frameworks. Results will be presented on the degree of alignment with respect to content, scientific and engineering practices, and crosscutting concepts in the NGSS. A representative from the National Assessment Governing Board will serve as moderator. A discussant will provide insights on the impact of the study from the state perspective.

**Moderator**

Cary Sneider, National Assessment Governing Board

**Study Authors**

Teresa Neidorf, Yan Wang, Alka Arora, and Kim Gattis, American Institutes for Research

**Responder**

Brett Moulding, Director, Utah Partnership for Effective Science Teaching and Learning



## **Update on NAEP Digital-Based Assessment Development**

NAEP's transition from a paper and pencil assessment to one that is being presented on tablets (i.e. Digital-Based Assessment) is moving ahead. Progress, thus far, has relied heavily on the thoughtful collaboration of all members of the NAEP partnership.

The 2015 administration of NAEP's reading and mathematics items in paper and pencil and tablet modes began in January of 2015 and was an essential part of the 2015 Digital-Based Assessment (DBA) transition study. Results from this important study will help us understand the relationship between paper and pencil items, and their trans-adapted counterparts that were administered in the DBA mode. Most recently, NAEP has moved into a new phase of the transition and development process. Scoring of paper and pencil items was completed in late spring. Scoring of DBA constructed response items is currently under way.

This session will provide the Assessment Development Committee with a status update on DBA development for reading, mathematics and social studies assessments, including scoring in reading and mathematics as well as plans for additional DBA studies for reading and mathematics.



**Assessment Development Committee  
Item Review Schedule  
April 2015 – September 2015  
(Updated 7/10/15)**

Review Package to Board	Board Comments to NCES	Survey/Cognitive	Review Task	Approx Number Items	Status
4/30/15	5/22/15	Survey	2017 Reading (4, 8) Pilot	130-150	✓
4/30/15	5/22/15	Survey	2017 Math (4, 8) Pilot	130-150	✓
4/30/15	5/22/15	Survey	2017 Writing (8, 12) Pilot	130-150	✓
5/7/15	5/28/15	Cognitive	2018 US History, Civics, Geography (8, 12) Pilot Concept Sketches	12 Sketches	✓
7/10/15	8/3/15	Cognitive	2017 Reading (4) Pilot Concept Sketches	2-4 Sketches	✓
7/30/15	8/14/15	Cognitive	2017 Math (4, 8) Pilot	300	For review at May Board mtg.
7/23/15	8/14/15	Cognitive	2017 Writing (8, 12) Pilot	22	
7/23/15	8/14/15	Survey	2018 Social Studies (US History, Civics, Geography) Operational (8, 12)*	95	
7/23/15	8/14/15	Cognitive	2017 Reading (4, 8) Pilot	50-55	
8/24/15	9/14/15	Cognitive	2019 Reading (4, 8) Passage Review	6 Passages	
9/7/15	9/30/15	Cognitive	2019 Reading (4, 8) Passage Review	6 Passages	

\*Review of existing 2014 Grade 8 and 2010 Grade 12 Civics, Geography, and U.S. History survey questions for students, teachers, and school administrators in preparation for the 2018 NAEP Social Studies assessment development.