Assessing Three Dimensional Science Learning

Draft Agenda (7/25/17)

Thursday, September 28th

8:00 AM  Breakfast available

8:30 AM  Welcome to RILS
  PRESENTER: Scott Marion (Center for Assessment)

8:40 AM  Jumping into the NGSS
  This session reacquaints attendees with three dimensional science learning, by overviewing the structure of the NGSS and illustrating what three dimensional learning looks like within the classroom.
  PRESENTERS: William Penuel (University of Colorado Boulder), TJ Smolek (Michigan Department of Education)

9:25 AM  Specifying the Domain of the NGSS for Assessment
  Translating the NGSS into a working assessment blueprint involves a number of decisions, decisions that can ultimately lead to very different assessments. In this session members of several states will present their particular approaches to operationalizing the NGSS as the target of assessment. These discussions will start with the claims—including performance level descriptors — that each state intends to support and then lead into a discussion of how the specific blueprint and other design decisions are intended to support the intended claims.
  PRESENTER & FACILITATOR: Brian Gong (Center for Assessment)
  PRESENTERS: April McCrae (Delaware Department of Education), Kathleen Scalise (University of Oregon), Additional Presenters TBA

10:35 AM  Break

10:50 AM  Score Reports & Subclaims
  Score reports are often the last thing considered in the design of an assessment, but the first thing seen by the public. This session explores ways in which summative assessment results can be reported, with emphasis on subscores and the subclaims that support them.
  PRESENTER & FACILITATOR: Nathan Dadey (Center for Assessment)
  PANELISTS: Jon Cohen (American Institutes for Research), Kevin King (WestEd), TJ Smolek (Michigan Department of Education)
11:55 AM  Introduction to Item Walk Activity

12:00 PM  Lunch

1:00 PM  Item Walk
The “item walk” will provide attendees with the opportunity to examine example items from multiple assessment programs to help ground our discussions about the challenges of 3-dimensional item/task design.
FACILITATORS: Scott Marion and Nathan Dadey (Center for Assessment)

2:00 PM  The Alignment Challenge
Meeting alignment requirements can often lead to the “tail wagging the dog” whereby designers add items to ensure that the test “covers” all standards. How can we consider adjusting, or developing new, alignment methods and criteria to fairly evaluate how well the test embodies the NGSS, while minimizing unintended negative consequences?
FACILITATOR: Jeri Thompson (Center for Assessment)
PANELISTS: Aneesha Badrinarayan (Achieve), Sara Christopherson (WebbAlign), Christopher Harris, (SRI), Sean Elkins (Kentucky Department of Education), April McCrae (Delaware Department of Education), and Jan Sibley (Louisiana Department of Education)

3:15 PM  Break

3:30 PM  Technical Issues in Summative Assessment
Having great items is one thing, but addressing the numerous technical issues associated with developing, scaling and maintaining test forms is another. This session looks under the hood at some key technical issues, including: scoring rules, measurement models, field test designs, equating, and standard setting.
FACILITATOR: Erika Landl (Center for Assessment)
PRESENTERS: Jennifer Dunn, Leslie Keng, Joseph Martineau (Center for Assessment)
PANELISTS: Jon Cohen (AIR), Kathleen Scalise (University of Oregon)

5:00 PM  Adjourn for Day One

5:30 PM  Reception
Join us for light hors d’oeuvres and drinks as we get to know one another and reflect on the day’s discussions.
**Friday, September 29th**

7:30 AM **Breakfast and “Breakfast Table Discussions”**  
Join colleagues for optional breakfast discussions about issues of interest such as ESSA accountability systems, innovative assessment pilots, capacity-building for NGSS implementation, and many other potential topics of mutual interest. Topics will be posted with the final agenda.  
FACILITATORS: Center for Assessment Associates

8:30 AM **Systems of Assessment**  
The idea of a system of assessment - a coordinated system of multiple assessments that work together, along with curriculum and instruction, to promote learning – has been a central part of conversations on the assessment of the NGSS, in no small part due to the BOTA report, *Developing Assessments for the Next Generation Science Standards*. Two of the BOTA committee members—Bill Penuel and Scott Marion—will describe the committee’s intentions regarding coherent assessment systems, as well as their current thinking about the challenges and opportunities with NGSS assessment systems. Representatives from two states will share what they have learned about developing systems of assessment in science.  
PRESENTERS & FACILITATORS: William Penuel (University of Colorado Boulder), Scott Marion (Center for Assessment)  
PRESENTERS: April McCrae (Delaware Department of Education), Sean Elkins (Kentucky Department of Education)

9:30 AM **Validity Evaluation**  
The goal of this session is to help participants think through the challenges of establishing an interpretable argument to guide the validity evaluation of an NGSS assessment and/or assessment system.  
PRESENTERS & FACILITATORS: Nathan Dadey (Center for Assessment), Scott Marion (Center for Assessment)  
PANELISTS: Christopher Harris (SRI International), William Penuel (University of Colorado Boulder), Kathleen Scallise (University of Oregon)

10:30 AM **Break**

10:45 AM **Addressing Current and Future Challenges**  
This interactive session provides participants with the opportunity to discuss topics of interest (submitted online prior to the start of day two). Participants will identify near- and long-term challenges regarding NGSS assessment that they would like to discuss to learn from and teach others with similar interests.  
FACILITATORS: Center for Assessment professionals

12:00 PM **Closing Reflections**  
PRESENTER: Chris Domaleski (Center for Assessment)

12:15 PM **Lunch and Adjourn**