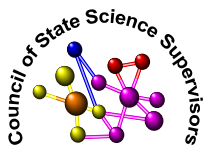


Building Capacity For State Science Education (BCSSE)
Building State Teams to Implement the Framework Vision for K-12 Science Education
 Presented by
 Council of State Science Supervisors and Achieve, Inc.
 June 20-21, 2014



Conference Agenda
 Friday, June 20, 2014

Time	Activity/Topic	Location
7:30 – 8:30 AM	Registration	Capitol Gallery
7:30 – 8:30 AM	Breakfast Buffet	Millenium
8:30 – 8:45 AM	Welcome and Opening Remarks <ul style="list-style-type: none"> • <i>Juan-Carlos Aguilar, President Council of State Science Supervisors</i> Goals and Assumptions for BCSSE <ul style="list-style-type: none"> • <i>Peter McLaren, Past President, Council of State Science Supervisors</i> 	Capitol 1/2/3/4
8:45 – 9:00 AM	Organization of Meeting and Expectations for Participants <ul style="list-style-type: none"> • <i>Brett Moulding, Former President, Council of State Science Supervisors</i> 	Capitol 1/2/3/4
9:00 – 10:00 AM	Research Supporting the Framework’s Principles <ul style="list-style-type: none"> • <i>Heidi Schweingruber, Director, Board on Science Education</i> 	Capitol 1/2/3/4
10:00 – 10:15 AM	Break	
10:15 – 11:30 AM Breakouts Some Sessions Repeated at 12:45 PM	Breakout Sessions I – Framework and NGSS Implications for Classroom Instruction, Assessment, Teacher Preparation, and Professional Development <ol style="list-style-type: none"> 1. Translating NGSS for Classroom Instruction: Teachers' Professional Development – <i>Rodger Bybee, Director Emeritus of Biological Sciences Curriculum Study (BSCS)</i> 2. Research in Science Education – <i>Richard Duschl, Kenneth B. Waterbury Chaired Professor in Secondary Education, Penn State University</i> 3. Developing NGSS Aligned Performance Tasks: A State’s Perspective – <i>Peter McLaren</i> 4. EQUiP Rubric for Identifying Quality Instructional Materials with Fidelity to the NGSS – <i>Stephen Pruitt, Senior Vice President for Content, Research and Development, Achieve</i> and <i>Molly Ewing, Senior Program Associate for Content, Research and Development, Achieve</i> 5. Adapting Instructional Models to NGSS Practices: What Needs to be Done to Reach All Learners? – <i>Andrew Shouse, Director Institute for Science + Math Education University of Washington</i> 	<ol style="list-style-type: none"> 1. Centennial 2. Evans 3. Capitol 4 4. Capitol 2 5. Tabor
11:30 – 12:30 PM	Lunch	Millenium
12:45 – 2:00 PM	Breakout Session II – Framework and NGSS Implications for Classroom Instruction, Assessment, and Teacher Preparation and Professional Development <ol style="list-style-type: none"> 1. Moving Standards into Practice: Five Tools and Processes for Translating the NGSS for Instruction and Classroom Assessment – <i>Jim Short, Director, Gottesman Center for Science Teaching and Learning, American Museum of Natural History</i> 2. Research in Science Education (Repeat from Session I) – <i>Richard Duschl</i> 3. Recommendations from the NRC Developing Assessments for NGSS Report: Implications for States – <i>Peter McLaren</i> 4. EQUiP Rubric for Identifying Quality Instructional Materials with Fidelity to NGSS (Repeat from Session I) – <i>Stephen Pruitt</i> and <i>Molly Ewing</i> 5. Organizing Classroom Instruction Around Science and Engineering Practices of Gathering, Reasoning, and Communicating – <i>Brett Moulding</i> 	<ol style="list-style-type: none"> 1. Centennial 2. Evans 3. Capitol 4 4. Capitol 2 5. Tabor
2:00 – 3:00 PM	1 of 2 State-Alike Small Group Session – Facilitated meeting of states with similar NGSS and/or Framework adoption and implementation planning will meet together to share commonalities in planning and strategies. The BCSSE Advisory Committee Members will facilitate the session.	See Handout for Breakout Rooms
3:00 – 3:15 PM	Break	
3:15 – 4:00 PM	Research Based Models for Professional Development <ul style="list-style-type: none"> • <i>Bill Penuel, Professor, Ed. Psychology & Learning Sciences, University of Colorado, Boulder</i> 	Capitol 1/2/3/4
4:00 – 4:30 PM	Strengthening Science Education through a Teacher Learning Continuum <ul style="list-style-type: none"> • <i>Carla Zemba-Saul, Professor of Science Education, Kahn Professor of STEM Education, Pennsylvania State University</i> 	Capitol 1/2/3/4
4:30 – 4:45 PM	Wrap-up and Expectations for Tomorrow – <i>Peter McLaren</i>	Capitol 1/2/3/4
5:30 – 6:30 PM	Networking and Social Hour	Capitol 1/2/3/4



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Conference Agenda
Saturday, June 21, 2014

Time	Activity/Topic	Location
7:15 – 8:15 AM	Breakfast Buffet	Millenium
8:15 – 8:20 AM	Review of Day One and Overview of Day Two <ul style="list-style-type: none"> • <i>Juan Carlos Aguilar</i> 	Capitol 1/2/3/4
8:20 – 8:45 AM	Literacy in Science Education: Obtaining, Evaluating, and Communicating Information – NRC Report <ul style="list-style-type: none"> • <i>Helen Quinn, Past-Chair of the Board on Science Education, and Heidi Schweingruber, Director of the Board on Science Education</i> 	Capitol 1/2/3/4
8:45 – 9:30 AM	Panel: Leadership for Literacy in Science <i>Facilitated by Heidi Schweingruber</i> <i>Panel Members:</i> <ul style="list-style-type: none"> • <i>Tiffany Neill, Director of Science Education Oklahoma Department of Education</i> • <i>Sam Shaw, South Dakota Department of Education</i> • <i>Sally Creel, Science Supervisor, Cobb County Schools, Georgia</i> 	Capitol 1/2/3/4
9:30 – 10:30 AM	Developing and Using Evidence Statements in Formative Assessment and Tools for Professional Development <ul style="list-style-type: none"> • <i>Stephen Pruitt</i> 	Capitol 1/2/3/4
10:30 – 10:45 AM	Break	
10:45 – 11:45 AM	Continue Interstate Discussion of NGSS and Framework Adoption and Implementation 2 of 2 State-Alike Small Group Session Facilitated meeting of states with similar NGSS and/or Framework adoption and implementation planning will meet together to share commonalities in planning and strategies. The BCSSE Advisory Committee Members will facilitate the session.	See Handout for Breakout Rooms
11:45 – 12:30 PM	Lunch	Capitol 1/2/3/4
12:30 – 1:15 PM	Developing Assessments of K-12 Science Proficiency Consistent with the NGSS <ul style="list-style-type: none"> • <i>James W. Pellegrino, Department of Psychology, University of Illinois at Chicago</i> 	Capitol 1/2/3/4
1:15 – 2:15 PM	Panel: Envisioning the Future of Science Education – Lessons Learned from State and District Implementation Efforts <i>Facilitated by Rodger Bybee and Richard Duschl</i> <i>Panel Members:</i> <ul style="list-style-type: none"> • <i>Sam Shaw, South Dakota Department of Education</i> • <i>Ellen Ebert, Washington Department of Education</i> • <i>Matt Krehbiel, Kansas Department of Education</i> • <i>David Miller, Clark County School District, Nevada</i> • <i>Karen Johnson, Adams School District, Colorado</i> 	Capitol 1/2/3/4
2:15 – 2:30 PM	Next Steps for BCSSE and CSSS <ul style="list-style-type: none"> • <i>Juan-Carlos Aguilar and Matt Krehbiel</i> 	Capitol 1/2/3/4