

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

October 12 - 13 2012

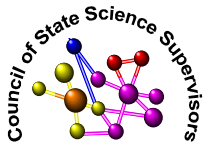
J.W. Marriott Hotel

10 S. West Street • Indianapolis, Indiana 46204 USA

Conference Agenda

Friday, October 12, 2012

Time	Activity/Topic	Location
7:00 – 8:00 AM	Registration	Foyer
7:00 – 7:45 AM	Breakfast Buffet Style	Large Meeting Room
8:00 – 8:45 AM	Welcome and Opening Remarks <ul style="list-style-type: none"> • Peter McLaren, President, Council of State Science Supervisors Introduction of Funding Sponsors <ul style="list-style-type: none"> • Jean Moon, Founder and Principal, Tidemark Institute and Former Director of the NRC Board on Science Education Keynote Address <ul style="list-style-type: none"> • Dr. Tony Bennett, State Superintendent for Public Instruction, Indiana Department of Education, introduction by Sherrie Bossung, Director, Global Corporate Branding and Volunteer Strategy at Eli Lilly and Company • Brief remarks by Meeting Sponsor Goals and Assumptions for BCSSE and Future Meetings <i>Peter McLaren, President, Council of State Science Supervisors</i>	Large Meeting Room
8:45 – 9:00 AM	Organization of Meeting and Expectations for State Teams <ul style="list-style-type: none"> • Brett Moulding, Former President, Council of State Science Supervisors 	Large Meeting Room
9:00 – 10:15 AM	Understanding the Nature of Science and the Next Generation Standards <ul style="list-style-type: none"> • Rodger W. Bybee, Ph.D., Director Emeritus of Biological Sciences Curriculum Study (BSCS) and Richard Duschl, Kenneth B. Waterbury Chaired Professor in Secondary Education, Penn State University 	Large Meeting Room
10:15 – 10:30 AM	Break	
10:30 – 11:30 AM Breakout will be repeated at 1:00 PM	Breakout Session I and II – Implications for the Classroom <ol style="list-style-type: none"> 1. Workshop – Intersection of the three dimensions of science, <i>Engineering</i> - Cary Sneider, Associate Research Professor, Portland State University 2. Workshop – Intersection of the three dimensions of science, <i>Life Science</i> - Rodger Bybee 3. Workshop – Intersection of the three dimensions of science, <i>Earth Science</i> - Rick Duschl 4. Workshop – Intersection of the three dimensions of science, <i>Physical Science</i> – Peter McLaren 5. Informal Science Education’s Role in supporting the Implementing of the Framework’s Vision and NGSS – Martin Storksdieck, Director, Board on Science Education, National Research Council 6. 3 D Theatre – Video and Discussion to Explore Classroom Instruction that attends to the three Dimensions – Brett Moulding and Anita Bernhardt, CSSS Board Member, Maine 7. Next Generation Science Exemplar–Based PD System - Sarah Michaels, Professor, Clark University and author <i>Ready, Set Science</i> and Jean Moon 	Sessions in the Breakout Rooms
11:30 – 12:00 PM	State Teams Meet: Share and Discuss Content of Breakout Sessions	Regional Breakout Rooms
12:00 – 1:00 PM	Lunch and Networking - Buffet	Breakout Rooms
1:00 – 2:00 PM	Breakout Session II – Implications for the Classroom Repeat of Session I	Breakout Rooms



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2:15 – 3:15 PM	<p>Breakout Session III - Implications for Science Education Systems</p> <ol style="list-style-type: none"> 1. State Needs Assessments – <i>David White, Former State Science Director, Vermont DoE</i> 2. Science Professional Development that Leverages the Common Core – <i>Juan-Carlos Aguilar</i> 3. Nature of Professional Development to Meet the Vision of Science Education in the NGSS – <i>Brett Moulding</i> 4. College Readiness in Science and the NGSS - <i>Chris Lazzaro, Director of Science Education, College Board</i> 5. CSSS Tools: Communicating the Vision of the Framework and NGSS - <i>Sean Elkins, CSSS Board Member, (KY); Pat Fitzsimmons, Assistant Director, Standards and Assessment (VT); John Olson, Science Specialist (MN); Beverly Vance, Secondary Science Consultant (NC); facilitated by Matt Kreibel, CSSS Board Member, (KS)</i> 6. Tools for Investigation the Alignment of Instructional Resources and PD to Framework Vision for science Education - <i>Tom Keller, Co-Director, REACH Center, Maine Mathematics and Science Alliance</i> 7. Results of BCSSE Evaluation Survey: Review and Discussion - <i>Jean Moon</i> 8. Developing Statewide Partnerships, <i>Phil Bell, Geda and Phil Condit Professor of Science and Math Education, University of Washington, and Ellen Ebert, CSSS Board Member (WA)</i> 	Breakout Rooms
3:15– 3:30 PM	Break	
3:30 – 4:20 PM	Developing Assessments of Science Proficiency in K-12 - <i>Judith Koenig, Study Director, Senior Program Officer, Board on Testing and Assessment – National Academies of Science</i>	Large Room
4:20 – 4:30 PM	Wrap-up for Today and Expectations for Tomorrow - <i>Peter McLaren, President CSSS</i>	Large Room
5:00– 6:00 PM	Networking and Social Hour	Large Room
6:00 – 8:00 PM	Dinner and Speaking Program <ul style="list-style-type: none"> • Welcome and Introduction of Speaker, <i>Peter McLaren, President, CSSS</i> “The Role of Informal Science Education in Supporting Implementation the Next Generation Science Standards” - <i>Cary Schneider, Associate Research Professor, Portland State University</i>	Large Room
8:00 – 9:00 PM	Plenary Session – Working with the Next Generation Science Exemplar-Based PD System - <i>Brian Reiser, Professor of Learning Sciences, Northwestern University, Sarah Michaels, Jean Moon</i>	TBA



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Saturday October 13, 2012

Time	Activity/Topic	Location
7:30 – 8:30 AM	Light Breakfast	
8:30 – 8:40 AM	Review and Clarification of Day 1 Overview and Goals for Day 2 – <i>Facilitated by Peter McLaren</i>	Large Room
8:40 – 9:30 AM	Understanding the Challenges of the Implementation of Standards <ul style="list-style-type: none"> • <i>Kathy Cox. CEO of the US Education Delivery Institute</i> 	Large Room
9:30 – 10:00 AM	State Teams Work To Develop Plans for Sharing Science Education through Sample Plans <ul style="list-style-type: none"> • <i>Facilitated by Brett Moulding and Peter McLaren</i> 	Large Room
10:00 – 10:15 AM	Break	
10:30 – 11:45 AM	Breakout Session IV – Planning for Activities in the State State Teams discuss and plan for the work in their state, they generate a poster to share their timeline and plans with other states	Teams will meet in the regional breakout rooms to discuss state plans and develop timelines
11:45 – 12:15 PM	POSTER SESSION – State Teams Visit other State Plans	Large Room at state tables
12:15 – 1:00 PM	Lunch – <i>Continuing our Conversations</i>	Large Room
1:00 – 2:00 PM	Moving forward with BCSSE – This session provides an overview of future BCSSE efforts and provides a forum for assessing the needs of the each state. Combination of discussion and survey as well as States sharing of the discussion. <ul style="list-style-type: none"> • <i>Facilitated by Peter McLaren, Juan-Carlos Aguilar President-elect CSSS and Brett Moulding</i> 	Large Room
2:00 – 2:30 PM	Next Steps for BCSSE Project in Support of States and Science Supervisors – Preparation and Logistics for Future Meetings <ul style="list-style-type: none"> • <i>Peter McLaren and Juan-Carlos Aguilar</i> 	Large Room