

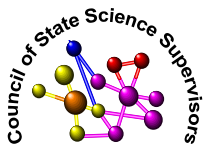
Building Capacity For State Science Education (BCSSE) The Role of the NRC Framework in K-12 Science Education & Standards



Presented by
Council of State Science Supervisors and Tidemark Institute
September 30 and October 1, 2011
Nashville, Tennessee

Conference Agenda Friday, September 30, 2011

| Time | Session | Activity |
|------------------|--|------------------------------------|
| 7:30 – 8:00 AM | Light Breakfast | |
| 8:15 – 9:00 AM | Welcome & Overview of BCSSE and Goals for Meeting <ul style="list-style-type: none"> • Peter McLaren, President, Council of State Science Supervisors • Jean Moon, Founder and Principal, Tidemark Institute and Former Director of the NRC Board on Science Education NRC Framework for Science Education Standards – Major Messages Heidi Schweingruber , Deputy Director, Board on Science Education, National Research Council | Large Group, Table Work |
| 9:00 – 9:30 AM | Overview of Framework and Next Generation Science Education Standards – The Process Brett Moulding , Former President of CSSS and Founding Associate, Tidemark Institute | Large Group |
| 9:30 – 10:30 AM | Science and Engineering Practices , Philip Bell , Geda and Phil Condit Professor of Science and Math Education, University of Washington <ul style="list-style-type: none"> • Overview of Practices in the Framework (inquiry to practices) • Engineering in the Framework and Science Standards | Large Group |
| 10:30 – 10:45 AM | Break | |
| 10:45– 11:45 PM | Models in Science and Engineering Practices and Role in Science Learning Mark Windschitl , Professor, Curriculum and Instruction, University of Washington | Large Group, Table Work |
| 11:45 – 12:15 PM | Checking-In, Questions from Participants Co Facilitated by Richard Duschl , Kenneth B. Waterbury Chaired Professor in Secondary Education, Penn State University and Mark Windschitl | |
| 12 :15 – 1:00 PM | Lunch and Networking | Atrium |
| 1:00 – 2:00 PM | Cross-cutting Concepts in the Service of Science Learning – Facilitated by Richard Duschl <ul style="list-style-type: none"> • General Overview of Crosscutting Concepts in the Framework • Role of Crosscutting Concepts in Standards | Large Group followed by Discussion |
| 2:00 – 3:00 PM | Core Disciplinary Ideas – CoFacilitated by Heidi Schweingruber and Philip Bell <ul style="list-style-type: none"> • General Overview of Core Disciplinary Ideas in Framework • Role of Core Disciplinary Ideas in Standards | Large Group followed by Discussion |
| 3:00 – 3:15 PM | Break | |
| 3:15 – 4:15 PM | The Messaging Work Ahead: Identifying Audiences, Messages, Tools and Resources for Stakeholders to Value and Use the Framework in Your State - Facilitated by Brett Moulding , <ul style="list-style-type: none"> • What are the most important messages about the Framework for your state? • What are the most useful tools BCSSE can develop with you? • Meaningful communications plan & the tools to implement those plans– what is needed? | Table Work |
| 4:15 – 4:30 PM | Communicating the Framework to Stakeholders - _ Essential Messages for Target Audiences Facilitated by Jean Moon and Brett Moulding | Large Group Discussion |
| 4:30 -4:40 | Closing remarks and Expectations for Tomorrow’s Session Peter McLaren | |
| 5:00 – 6:00 | Social Hour | Atrium |
| 6:30 – 9:00 PM | Working Dinner Welcome, Carlo Parravano , Executive Director, Merck Institute for Science Education Dinner Speaker, Stephen Pruitt , Vice-President for Content, Research and Development, Achieve | Meeting Room |



**Building Capacity For State Science Education (BCSSE)
The Role of the NRC Framework in K-12 Science Education & Standards**



Presented by
Council of State Science Supervisors and Tidemark Institute
September 30 and October 1, 2011
Nashville, Tennessee

**Conference Agenda
Saturday, October 1, 2011**

| Time | Session | Activity |
|------------------|---|--------------------------|
| 7:45 – 8:15 AM | Light Breakfast | |
| 8:15 – 9:00 AM | Messages from Day 1 & Overview and Theory of Action for Day 2 Facilitated by Brett Moulding , Former President of CSSS and Associate, Tidemark Institute | Large Group |
| 9:00 – 10:00 AM | Understanding the Research Base for the Framework – Facilitated by Heidi Schweingruber , Deputy Director, Board on Science Education, National Research Council <ul style="list-style-type: none"> • The Centrality of Research on Learning • From Research to the Classroom • Justifying the Change in Standards | Large Group & Table Work |
| 10:00 – 10:15 AM | Break | |
| 10:15– 10:45 AM | Role of State Implementation Teams for BCSSE and State Lead Teams for NGSS – Timelines, Roles, and Moving Forward Facilitated by Jean Moon , Founder and Principal, Tidemark Institute and Stephen Pruitt , Vice President for Content, Research and Development, Achieve, Inc | Large Group |
| 10:45 - 12:00 PM | Learning From Existing Statewide Networks and Resources , Applying Lessons to Build Effective State-Based Implementation Teams <u>Panelists:</u> Anita Bernhardt , Maine Ellen Ebert , Washington State Lisa Rhoades , North Carolina Mathematics, Science, and Technology Education Center – Facilitated by Jean Moon . | Panel & Table Work |
| 12:15 – 1:00 PM | Lunch – Continuing our Conversations | |
| 1:00 – 2:30 PM | Planning State Implementations Teams <ul style="list-style-type: none"> • State Implementation Teams: Nature of the work back in states • Develop outlines for State-Based Work Plans • Prioritizing the Tools and Resources Discussed Yesterday • Reporting Out Jean Moon & Brett Moulding, Facilitators | Large Group & Table Work |
| 2:30 – 3:00 PM | What is Next in Building Capacity in State Science Education? Next Steps for BCSSE Project in Support of States and Science Supervisors <ul style="list-style-type: none"> • Preparing for February Meeting • Logistics for future meetings Peter McLaren, Facilitator | Large Group |