Preparation for Quality Science Standards

Marriott Louisville East
1903 Embassy Square Blvd.
Louisville, KY
July 8, 2014

Agenda

Objectives:

1. Participants will reacquaint themselves with science and STEM education indicators of students for their state and utilize data for identifying areas and plans around quality science standards.
2. Participants will utilize their learning about teacher professional learning networks to recognize the structures, systems, resources that exist in their state for science education.
3. Participants will utilize their learnings of communications to develop bullet points (initial plans) for the importance of a high quality science education.

I. Breakfast
7:30am-8:15am

II. Welcome and Introductions
8:15am-8:30am

Presenters:
- David Karem, Kentucky Board of Education Member
- Mary Lord, NASBE President Elect and District of Columbia State Board of Education
- Kristen Amundson, Executive Director, NASBE
- Francis Eberle, Acting Deputy Executive Director, NASBE

III. State Science and STEM Education Indicators
8:30am-9:45am

Presenter: Steve Kappeler, Assistant Vice President and Head of Postsecondary Strategy, ACT

This session provides an overview of key elements related to student science and engineering aspirations and the readiness of students in science and STEM related fields. Participants will have their state data and to connect it to the national picture for science education.

IV. The Short Story of the NGSS
9:45am - 10:00am

Presenter: Chad Colby, Achieve

The session will be a brief overview of the development of the Next Generation Science Standards.

V. Break
10:00am-10:15am

VI. Science and STEM Models for Implementation of Science Standards
10:15am-11:30am

Presenter: Margaret Ashida, Executive Director, STEMx

This session focuses on networks and structures for professional learning and models from states that have robust implementation structures for supporting teachers of science and engineering. Participants individually and then in groups will identify partners, PD structures or
systems they have in place in their state and how they might enhance or utilize it to provide a more effective implementation of science standards.

VII. The Kentucky Story of the Process of Adoption of the NGSS 11:30am - 12:00pm
Presenter: Karen Kidwell, Kentucky Department of Education

VIII. Lunch 12:00pm - 12:45pm

IX. NGSS State Communications Plans 1:00pm - 1:30 pm
Presenter: Patricia A. Maunsell, Consultant, Widmeyer Communications
Marina Stenos, Vice President and Director, Widmeyer Communications
What should state board members expect to see in their SEA’s NGSS communications plan? What do State Board members need to ask of their SEAs? We will review an actual state communications plan and unpack what it includes and begin to discuss the implications on the work of state boards.

X. Integrating NGSS into state boards’ communications plans 1:30pm-2:30pm
Presenter: Patricia A. Maunsell, Consultant, Widmeyer Communications
Marina Stenos, Vice President and Director, Widmeyer Communications
Using examples of communications plans from the states, state board members will work in small groups to think about and begin developing their own communications plans around NGSS.

XI. Break 2:30pm-2:45pm

XII. The Power of the Question 3:00pm – 4:00pm
Presenter: Patricia A. Maunsell, Consultant, Widmeyer Communications
Marina Stenos, Vice President and Director, Widmeyer Communications
State board members will get specific about what questions they need to ask, of whom and also what questions they need to answer from whom.

XIII. Wrap up and Adjourn 4:00pm - 4:15pm
Review the day and identify plans/next steps they can take when they return home. Participants will share one idea that they will take home.
Mary Lord, NASBE President Elect and District of Columbia State Board of Education
Kristen Amundson, Executive Director, NASBE
Francis Eberle, Acting Deputy Executive Director