

THE NATIONAL ACADEMIES  
NATIONAL RESEARCH COUNCIL  
BOARD ON SCIENCE EDUCATION

LITERACY FOR SCIENCE IN THE COMMON CORE ELA STANDARDS AND  
THE NEXT GENERATION SCIENCE STANDARDS

National Academy of Sciences Building  
Lecture Room  
2101 Constitution Ave, NW  
Washington, DC 20418  
December 9-10, 2013

Webcast

[http://sites.nationalacademies.org/DBASSE/BOSE/CurrentProjects/DBASSE\\_083999](http://sites.nationalacademies.org/DBASSE/BOSE/CurrentProjects/DBASSE_083999)

---

December 9, 2013

**8:30 – 8:45 AM      Registration, Coffee, Networking**

**8:45 – 9:00 AM      Welcome**

- **Heidi Schweingruber**, Deputy Director, Board on Science Education
- **David L. Evans**, Executive Director, National Science Teachers Association

**9:00 – 9:30 AM      Connecting Literacy for Science in New ELA and Science Standards**

- **P. David Pearson**, Study Chair, University of California Berkeley
- **Helen Quinn**, Committee Member, Stanford University

**Session 1: Overview of Literacy for Science in the Standards**

**9:30 – 10:00 AM      K-12 Education Standards and Literacy in Science**

Moderator

- **Juan-Carlos Aguilar**, Committee Member, Georgia Department of Education

Speakers

- **Brian Reiser**, Northwestern University
- **Sue Pimentel**, Committee Member, Student Achievement Partners

**10:00 – 10:30 AM      Audience Think-Pair-Share**

Facilitator

- **Catherine O'Connor**, Boston University
- **Sarah Michaels**, Committee Member

**10:30 – 10:40 AM      Break**

**Session 2: Literacy for Science in Principle and Practice**

**10:40 – 11:25 AM      Role of Literacy for Science: Panel Discussion**

Discussants

- **Sarah Michaels**, Committee Member, Clark University
- **P. David Pearson**, Committee Member, University of California, Berkeley
- **Elizabeth Moje**, Committee Member, University of Michigan

**11:25 – 12:25 PM      What Do Teachers Need to Know about the Language of Science Text**

Moderator

- **Helen Quinn**, Committee Member

Speakers

- **Jonathan Osborne**, Stanford University
- **Mary Schleppegrell and Annemarie Palincsar**, University of Michigan
- **Catherine O'Connor**, Boston University

**12:25 – 1:20 PM      Poster Session: Participants from the Research-Based, Standards Aligned Instruction Session (Lunch Served)**

**1:20 – 2:20 PM      Research-Based, Standards Aligned Instruction**

Moderator

- **Elizabeth Moje**, Committee Member

Speakers

- **Jacqueline Barber** Seeds of Science/Roots of Reading and **Sherrie Roland Grafton Village Elementary School**,
- **Nancy Romance and Michael Vitale**, Science IDEAS and **Teacher**
- **LeeAnn Sutherland and Deborah Peek-Brown**, Investigating and Questioning our World through Science and Technology

**2:20 – 2:30 PM      Break**

**2:30 – 3:15 PM      The Role of Oral and Written Discourse in Teaching and Learning Science**

Moderator

- **Sue Pimentel**, Committee Member

Speakers

- **Susan Goldman and Monica Ko**, UIC; **Cynthia Greenleaf and Willard Brown**, WestEd
- **Okhee Lee**, NYU

**Session 3: Wrap Up Day 1**

**3:15 – 4:15 PM      Bringing it Together: Audience Discussion**

Facilitator

- **Catherine O'Connor**, Boston University
- **Sarah Michaels**, Committee Member

**4:15 – 5:00 PM      Major Themes and Lessons Learned**

Moderator

- **David Pearson**, Committee Chair

Speakers

- ***Committee Members***
- ***Audience***

5:00 PM

Adjourn

DRAFT

December 10, 2013

**8:30 – 9:00 AM**

**Food and Coffee**

**Session 4: Science Literacy Demands on the Education System**

**9:00 – 11:00 AM      Teacher Preparation and Professional Development**

Moderator

- **Helen Quinn**, Committee Member

Research

- **Elizabeth Davis**, University of Michigan

Case-Studies

- **Mark Windschitl**, University of Washington and **Lindsay Berk**
- **Jean Moon**, Next Generation Science Exemplar-Based Professional Learning System and **Jocelyn Lloyd**, Woodland School in Worcester
- **Aida Walqui**, WestEd and **Tanya Warren**, International Newcomer Academy
- **Brett Moulding**, Partnership for Effective Science Teaching and Learning

**11:00 – 11:10 AM      Break**

**11:10 – 12:25 AM      Models for Supporting Literacy for Science**

Moderator

- **Juan-Carlos Aguilar**, Committee Member

Case Studies

- **Kiran Purohit and Danielle Miller**, New Vision Schools
- **Maria Santos**, Oakland Unified School District
- **Sam Shaw**, South Dakota Department of Education

**12:25 – 1:10 PM      Poster Session: Participants from the Teacher Preparation and Professional Development Session (Lunch Served)**

**Session 5: What this Means for You**

**1:10 – 1:55 PM      Bringing it Together: Audience Discussion**

Facilitator

- **Catherine O'Connor**, Boston University
- **Sarah Michaels**, Committee Member

**Session 6: Wrap Up Day 2**

**1:55 – 2:50 PM      Major Messages, Lessons Learned and Next Steps**

Moderator

- **David Pearson**, Committee Chair

Speakers

- ***Committee Members***
- ***Audience***

**2:50 – 3:00 PM          Wrap-up**

Speakers

- ***David Pearson***, Committee Chair
- ***Michael Feder***, Workshop Director

**3:00 PM                  Adjourn**

DRAFT