

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

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

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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**

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