



STEM Smart: Lessons Learned From Successful Schools

September 19, 2011 | Drexel University | Philadelphia, PA



Agenda

- 9:00–9:30 am** **Continental Breakfast and Introduction to Exhibits**
- 9:30–10:15** **Welcome, Overview of Conference**
- Joan Ferrini-Mundy, Assistant Director, Directorate for Education and Human Resources, National Science Foundation (NSF)
- Welcome and Opening Remarks**
- Chief Education Officer Lori Shorr, Office of Mayor Michael Nutter
 - President John Fry, Drexel University
 - Congressman Chaka Fattah, 2nd District of Pennsylvania
- Innovate to Educate: Science, Technology, Engineering and Mathematics (STEM) Learning for Tomorrow’s World**
- Subra Suresh, Director, NSF
- 10:15–11:00** **Inspiring Quality STEM Education: A National Perspective**
- Carl Wieman, Associate Director for Science, White House Office of Science and Technology Policy
- Inspiring Quality STEM Education: A View From the National Science Foundation**
- Cora Marrett, Deputy Director, NSF
- 11:00–11:30** **What Everyone Ought to Know About the Successful K–12 STEM Education Report**
- Adam Gamoran, Chair, National Research Council (NRC) Committee on Highly Successful Schools; Department of Sociology and Wisconsin Center for Education Research, University of Wisconsin–Madison
- 11:30 am–12:30 pm** **The Report in Action**
Open Exhibitions and Lunch at Your Own Pace

12:30–1:15

Making the Case: The Role of Common Standards

This session will familiarize participants with the *Common Core State Standards for Mathematics* and the *NRC Framework for K-12 Science Education*. Panelists will describe the implications for STEM curriculum, instruction and assessment as we move forward.

Moderator: Janice Earle, Coordinator, Evaluation Activities, Directorate for Education and Human Resources, NSF

Panelists:

- Jere Confrey, Joseph D. Moore Distinguished Professor of Mathematics Education, College of Education, North Carolina State University
- Stephen Pruitt, Vice President for Content, Research and Development, Achieve
- Brian Reiser, Professor of Learning Sciences, School of Education and Social Policy, Northwestern University

1:15–2:00

STEM Everywhere: Out-of-school Learning

The session will allow further exploration of the important role of out-of-school learning (informal education, after-school learning and community engagement). Participants will examine the connections between school and out-of-school learning, as well as the strengths and challenges of developing and sustaining strong STEM programs.

Moderator: Dennis Schatz, Program Director, Directorate for Education and Human Resources, NSF

Panelists:

- Dale McCreedy, Director of the Gender and Family Learning Programs Department, The Franklin Institute
- Erica Stevens, Senior Director of Education and the Arts, Boys and Girls Clubs of America
- Martin Storksdieck, Director, Board on Science Education, NRC
- Susan Yoon, Lead, Spark!; Associate Professor, Graduate School of Education, University of Pennsylvania

2:00–2:30

Open Exhibitions

2:30–3:15

Equal Access Innovation

Panelists will address practices that lead to opportunities for all students to become engaged in strong STEM learning.

Moderator: Darryl Williams, Program Director, Directorate for Education and Human Resources, NSF

Panelists:

- Elaine Allensworth, Senior Director and Chief Research Officer, Chicago Consortium for School Research
- Chris Lehmann, Founding Principal, Science Leadership Academy, Philadelphia, Pennsylvania

- Willie Pearson, Professor, School of History, Technology, and Society, Georgia Institute of Technology
- Michael Lach, Special Assistant, STEM Education, U.S. Department of Education

3:15–4:00

Building Bridges: From Report to Reality

Panel members who represent a range of perspectives will reflect on the report's implications for programs, policies, research and funding.

Moderator: James Hamos, Program Director, Directorate for Education and Human Resources, NSF

Panelists:

- Carlos Contreras, U.S. Education Director, Intel Corporation
- Evan Glazer, Principal, Thomas Jefferson High School for Science and Technology, Alexandria, Virginia
- Sandra Dungee Glenn, President and Chief Executive Officer, American Cities Foundation
- F. Joseph Merlino, President, The 21st Century Partnership for STEM Education

4:00–4:30

Call to Action: A Charge to the Nation

- Joan Ferrini-Mundy, Assistant Director, Directorate for Education and Human Resources, NSF