Facilitating Mathematics/Science Partnerships National Academy of Sciences National Science Resources Center

Principal Investigators:

Jay Labov: jlabov@nas.edu

Sally Shuler: shulers@si.edu

Website:http://www7.nationalacademies.org/msp/

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National Science Resources Center

The National Science Resources Center (NSRC) was established in 1985 by the Smithsonian Institution and the National Academies to improve the learning and teaching of science in the nation's school districts. The NSRC collects and disseminates information about exemplary science teaching resources, develops innovative science curriculum materials, and sponsors outreach activities to help school districts develop and sustain hands-on science programs.

http://www.nsrconline.org/

Math/Science Partnerships Workshops

The National Research Council and the National Science Resources Center are presenting a series of workshops geared specifically to the needs of MSP awardees. These workshops are being developed to enhance grantees' understanding of research related to their missions and goals.

The workshops will actively engage participants so that they:

- 3) acquire a deeper understanding of the concepts in NRC education reports; and,
- 4) examine emerging "best practices" that represent effective, evidence-based applications of these concepts.

Math/Science Partnerships Workshops

- •Selected NRC education reports will serve as the basis for the workshops.
- •Prominent researchers, staff, and committee members who produced these reports will serve as facilitators and speakers.
- •Representatives from school districts and academic institutions with model STEM education programs will be invited to participate as well.
- •All workshop participants receive a free CD-ROM containing a select compendium of NRC reports tailored specifically to the workshop's content.

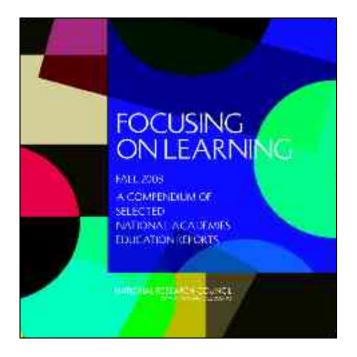
2004 Schedule of Workshops

- The 2004 Schedule of Workshops below incorporates several "themes" per year (see next slide for schedule).
- A recurring theme focuses on human cognition and an NRC report entitled, "How People Learn: Brain, Mind, Experience, and School".
- Two other themes in 2004 revolve around "Assessment of Student Learning" and "Enhancing the Quality of Mathematics and Science Teaching and the Careers of Teachers."
- Teams of no more than five people are recommended for each workshop. MSP projects are encouraged to "target" their resources by sending the most appropriate personnel to each workshop.
- All workshop participants receive a free CD-ROM containing a select compendium of NRC reports tailored specifically to the workshop's content.

2004 Schedule of Workshops

Feb. 1-3, 2004	Assessment of Student Learning	500 Fifth St. NW, Keck 100
March 7-9, 2004	How People Learn	NAS Lecture Room, 2100 C St. NW
May 16-18, 2004	Assessment of Student Learning	500 Fifth St. NW, Keck 100
June 27-29, 2004	How People Learn	500 Fifth St. NW, Keck 100
July 25-27, 2004	Teacher Education for Effective Teaching and Learning	500 Fifth St. NW, Keck 100
Dec. 5-7, 2004	Higher Education in MSP Partnerships: Learning, Assessment, and Teacher Education	500 Fifth St. NW, Keck 100

Compendium CD of NRC Reports on Student Learning



Enhancing Undergraduate Learning with Information Technology:

A Workshop Summary

Helping Children Learn Mathematics

Learning and Understanding: Improving Advanced Study of Mathematics and Science in U.S. High Schools

Adding It Up: Helping Children Learn Mathematics

Eager to Learn: Educating Our Preschoolers

Knowing and Learning Mathematics for Teaching:

Proceedings of a Workshop

Knowing What Students Know: The Science and Design of Educational Assessment

How People Learn: Brain, Mind, Experience, and

School: Expanded Edition

Inquiry and the National Science Education

Standards: A Guide for Teaching and Learning

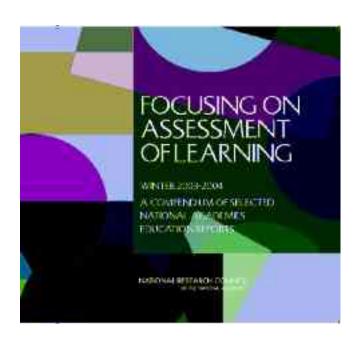
How People Learn: Bridging Research and Practice

Starting Out Right: A Guide to Promoting Children's

Reading Success

High School Mathematics at Work: Essays and Examples for the Education of All Students National Science Education Standards

Compendium CD of NRC Reports on Assessment of Student Learning



Assessment in Support of Instruction and Learning:
Bridging the Gap Between Large-Scale and Classroom
Assessment - Workshop Report

Evaluating and Improving Undergraduate Teaching in Science, Technology, Engineering, and Mathematics

Learning and Understanding: Improving Advanced Study of Mathematics and Science in U.S. High Schools

Classroom Assessment and the *National Science Education Standards*

Knowing What Students Know: The Science and Design of Educational Assessment

Understanding Dropouts: Statistics, Strategies, and High-Stakes Testing

How People Learn: Brain, Mind, Experience, and School: Expanded Edition

Testing English-Language Learners in U.S. Schools: Report and Workshop Summary

High Stakes: Testing for Tracking, Promotion, and Graduation

How People Learn: Bridging Research and Practice
The Assessment of Science Meets the Science of
Assessment: Summary of a Workshop

Testing, Teaching, and Learning: A Guide for States and School Districts

Myths and Tradeoffs: The Role of Tests in Undergraduate Admissions

National Science Education Standards

People & Activities at the July 2003 Workshop on Learning





Participants conducted a hands-on science learning investigation

Representatives from 14 MSP projects attended the July 21-22 workshop

