CENTER ON INSTRUCTION

CAPACITY BUILDING INDICATORS & DISSEMINATION STRATEGIES

Effective Science Instruction: What Does Research Tell Us?

Description: This brief is designed to distill the research on science learning to inform a common vision of science instruction and to describe the extent to which K-12 science education currently reflects this vision. A final section on implications for policymakers and science education practitioners describes actions that could integrate the findings from research into science education.

Information Level: novice

Intended Audience for Internal Knowledge Development:
State: policy, licensure, grants
District: policy planning
School: planning

To expand RCC's capacity, this activity or resource:	
Raises awareness of new developments in fields important to states' work.	This brief provides an accessible synthesis of the research on effective science instructional practices.
Helps the RCC help states accomplish a goal or solve a problem.	It provides states with a research-based frame for examining the quality of science instruction.
Helps the RCC help states plan or initiate a new state program, policy, or practice.	It can inform state in the development/funding of professional development programs, selection criteria for instructional materials, and development of standards.
Helps RCC improve states' ability to work with districts.	It is a resource that is easily disseminated to staff at SEAs and LEAs.
Enables the RCC to carry out its work more effectively.	It offers accurate and accessible information on effective science instruction.

Accompanying/Related Materials: (all available on the COI website http://centeroninstruction.org) under Professional Development:

- Effective Science Instruction PowerPoint Presentation
- Effective Science Instruction Meeting Handouts and Resources

Suggested Dissemination Strategies:

- Email link to the brief (http://www.centeroninstruction.org/files/Effective%20Science%20Instruction.pdf) or email pdf of the practice brief to SEA staff.
- Conduct a workshop for SEA staff on the elements of effective science instruction utilizing the support materials provided on the Center on Instruction website: http://www.centeroninstruction.org/pdevents.cfm

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