

***Mathematics Instruction for Students with Learning Disabilities or Difficulty Learning Mathematics:
A Synthesis of the Intervention Research***

Description: This meta-analysis synthesizes experimental and quasi-experimental research on instruction that enhances the mathematics performance of students in grades 1-12 with learning disabilities. It reports the findings from this synthesis, discusses the implications for practice, and suggests next steps for research and professional development efforts in this field.

Information Level: intermediate/advanced

Intended Audience for Internal Knowledge Development:

State: policy, licensure, grants

District: policy

To expand RCCs' capacity, this activity or resource:	
Raises awareness of new developments in fields important to states' work.	This meta-analysis synthesizes the available high-quality research on effective instructional strategies for teaching mathematics to at-risk students.
Helps the RCC help states frame a problem in new ways.	It discusses the implications for practice resulting from the available high-quality research on effective instructional strategies for teaching mathematics to at-risk students.
Helps the RCC help states accomplish a goal or solve a problem.	It allows states to identify a specific method for instructional change or improvement.
Helps the RCC help states improve or support an ongoing state program, policy, or practice.	It can inform existing state professional development initiatives to ensure that effective instructional strategies for teaching math to at-risk students are discussed.
Helps the RCC enhance states' ability to address NCLB/*ESEA requirements.	It can inform the development of state professional development initiatives to ensure that effective instructional strategies for teaching math to at-risk-students are discussed.
Enables the RCC to carry out its work more effectively.	It is an accessible resource for busy state people.
Helps the RCC help states complete NCLB-related applications, plans, and reports.	It deepens RCC staff knowledge of the effective instructional strategies for teaching math to at-risk students

Accompanying/Related Materials:

- *Mathematics Instruction for Students Learning Disabilities or Difficulty Learning Mathematics: A Guide for Teachers* is a user-friendly summary of seven effective instructional strategies for teaching mathematics to students with learning disabilities or difficulties.

Suggested Dissemination Strategies:

- Disseminate synthesis to research staff at state departments of education.
- Use the research-base as the basis for professional development with state departments of education.
- Assist state departments of education with plans to disseminate the synthesis and accompanying materials to LEAs.

*ESEA – Elementary and Secondary Education Act