Grant Title: INSTITUTE OF EDUCATION SCIENCES - SPECIAL EDUCATION RESEARCH GRANT PROGRAM: MATHEMATICS AND SCIENCE EDUCATION 84.324A

Funding Opportunity Number: CFDA Number(s): 84.324A.

Agency/Department: U.S. Department of Education, Institute of Education Sciences (IES).

Area of Reseach: Mathematics and Science Education.

Release and Expiration: Release date: February 28, 2011.

Application Deadline: June 23, 2011; September 22, 2011. Letter of Intent Due Date: April 21, 2011; July 21, 2011.

Amount: Exploration Goal: Secondary data analysis or meta-analysis: $100,000 to $300,000 per year. The 2-year project maximum is $700,000. Primary data collection: $100,000 to $400,000 per year. The 4-year project maximum is $1,600,000. Development and Innovation Goal: Development and innovation projects: $150,000 to $400,000 per year. The 3-year project maximum is $1,500,000. Efficacy and Replication Goal: $250,000 to $650,000 per year. The 4-year project maximum is $3,500,000. Efficacy and Replication follow-up studies: $150,000 to $300,000 per year. The 3-year project maximum is $1,200,000. Scale-Up Evaluation Goal: Measurement projects: $150,000 to $300,000 per year. The 4-year project maximum is $1,600,000.

Length of Support: Exploration Goal: Primarily secondary data analysis or meta-analysis: Up to 2 years. Primary data collection: Up to 4 years. Development and Innovation Goal: Up to 3 years. Efficacy and Replication Goal: Up to 4 years. Follow-up studies: Up to 3 years. Scale-Up Evaluation Goal: Up to 4 years.

Eligible Applicants: Eligible applicants include, but are not limited to, non-profit and for-profit organizations and public and private agencies and institutions, such as colleges and universities.

Summary: The Institute intends for its Mathematics and Science Education (Math/Science) program to improve mathematics and science outcomes for students with disabilities or at risk for disabilities from kindergarten through Grade 12. The long-term outcome of this program will be an array of tools and strategies that have been demonstrated to be effective for improving mathematics and science learning and achievement for students with or at risk for disabilities from kindergarten through Grade 12. The Institute encourages researchers to contribute to knowledge and theory about the development of mathematics or science knowledge and skills among children with disabilities. The Institute is primarily interested in research that addresses core mathematics and science content. The Institute recognizes that instruction in mathematics and science is shaped by theories that vary in their implications. The Institute is interested in proposals to develop or test different theoretically-based approaches for teaching mathematics or science to students with disabilities. Interventions appropriate for research under this program are interventions for students with high- or low-incidence disabilities that are delivered to the student by teachers or other school staff. For example, interventions have been developed to make mathematics or science content more accessible for students with blindness, visual impairments, deafness, or hearing impairments. The Institute encourages researchers to propose projects to conduct rigorous research on the effect of such interventions on learning outcomes for students with disabilities. The Institute accepts applications on interventions that could be used as a tier in a Response to Intervention model. In addition, the Institute invites proposals to develop and/or validate mathematics and science measurement tools for classroom assessments to be used for instructional purposes. To improve mathematics and science skills, instruction may need to be tailored to the sources of difficulty that individual students experience. An ideal learning environment might involve regular and frequent assessment of skills and the possibility of individualized instruction for students based on the particular source of their difficulties.

Detail Information: http://ies.ed.gov/funding/pdf/2012_84324A.pdf
http://ies.ed.gov/funding/ncser_rfas/ncser_mathsci.asp