Grant Title: INSTITUTE OF EDUCATION SCIENCES-EDUCATION RESEARCH GRANT PROGRAM: MATHEMATICS AND SCIENCE EDUCATION 84.305A

Funding Opportunity Number: CFDA Number(s): 84.305A.


Area of Reaseach: Mathematics and Science Education.


Amount: Range of awards: $100,000-$1,200,000. Exploration Goal: Secondary data analysis or meta-analysis typically $100,000 to $350,000 (total cost = direct + indirect costs) per year. Data collection - typically $100,000 to $400,000 per year. Development and Innovation Goal: Typical awards for projects at this level are $150,000 to $500,000 per year. No more than 30 percent of the total funds may be used for collection of pilot data to demonstrate the promise of the intervention for achieving the desired outcomes. Efficacy and Replication Goal: Efficacy and replication evaluations are typically $250,000 to $750,000 per year, follow up studies are $150,000 to $400,000. Scale-up Evaluations Goal: Scale-up Evaluation projects are typically $500,000 to $1,200,000 per year. Follow-up studies are typically $250,000 to $600,000 per year. Measurement Goal: Typically $150,000 to $400,000 per year.

Length of Support: Exploration Goal: Secondary data analysis or meta-analysis - up to 2 years, data collection - up to 4 years, but must justify the need for the number of years requested. 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: Scale-up Evaluation projects - up to 5 years, follow-up studies - up to 3 years. Measurement 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 the research program on Mathematics and Science Education (Math/Science) to fulfill five goals: (1) exploring malleable factors (e.g., children's skills, instructional practices, curricula) that are associated with better mathematics or science outcomes, as well as mediators and moderators of the relations between these factors and student outcomes, for the purpose of identifying potential targets of intervention; (2) developing innovative curricula and instructional approaches to mathematics and science education that will eventually result in improving mathematics and science achievement; (3) evaluating the efficacy of fully developed curricula and instructional approaches to mathematics and science education with efficacy or replication trials; (4) evaluating the impact of mathematics and science curricula and instructional approaches that are implemented at scale; and (5) developing and/or validating assessments of mathematics and science learning intended for use by practitioners. The long-term outcome of this program will be an array of tools and strategies (e.g., curricula, programs, assessments) that have been demonstrated to be effective for improving or assessing mathematics and science learning and achievement.

Detail Information: http://ies.ed.gov/funding/11rfas.asp