

# Funding Opportunities at the Institute of Education Sciences

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- Overview of the Institute of Education Sciences
- Research Priorities
- Grant Programs
- Research Goals
- Preparing and Submitting an Application
- What Happens Next?

# Overview of the Institute of Education Sciences

## Legislative Mission

- Describe the condition and progress of education in the United States
- Identify education practices that improve academic achievement and access to education opportunities
- Evaluate the effectiveness of Federal and other education programs



What's New

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Welcome to IES

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# Research Priorities

# Long-Term Research Goals

- Develop or identify programs, practices, policies, and approaches that enhance academic achievement
- Identify what does not work and thereby encourage innovation and further research
- Explain variations in effectiveness of education programs, practices, policies, and approaches
- Develop delivery systems for the results of education research

# Outcomes of Interest (Dependent Variables)

## *Prekindergarten*

- Readiness for schooling
- Developmental outcomes for infants and toddlers with disabilities

# Outcomes of Interest (Dependent Variables)

## *Kindergarten through Grade 12*

- Reading and writing
- Mathematics and science
- Behaviors and social skills that support learning in school and successful transitions to post-school opportunities
- Functional skills that support independent living for students with disabilities

## Outcomes of Interest (Dependent Variables)

### *Postsecondary Education*

- Enrollment in postsecondary education
- Completion of postsecondary education

### *Adult Education*

- Basic reading, writing, and mathematics

## Conditions of Education (Independent Variables)

- Curriculum
- Instruction
- Assessment
- Quality of the education workforce
- Systems-level programs and policies

# FY 2010 Research and Research Training Grant Programs

# Research and Research Training Grant Programs

- Education and Special Education Research Grant Programs
- Postdoctoral Research Training Grant Programs
- National Research and Development Centers
- Statistical and Research Methodology in Education
- Evaluation of State and Local Education Programs and Policies

## Education Research Programs – NCER

- Reading and Writing
- Mathematics and Science Education
- Cognition and Student Learning
- Teacher Quality
- Social and Behavioral Context for Academic Learning
- Education Leadership
- Education Policy, Finance, and Systems
- Postsecondary Education

## Education Research Programs (cont.)

- Interventions for Struggling Adolescent and Adult Readers and Writers
- Middle and High School Reform
- Early Childhood Programs and Policies
- Education Technology
- English Language Learners

## Special Education Research Programs – NCSER

- Early Intervention and Early Childhood Special Education
- Reading, Writing, and Language Development
- Mathematics and Science Education
- Social and Behavioral Outcomes to Support Learning
- Transition Outcomes for Special Education Secondary Students

## Special Education Research Programs (cont.)

- Cognition and Student Learning in Special Education
- Teacher Quality
- Related Services
- Special Education Policy, Finance, and Systems
- Autism Spectrum Disorders

# Education Research Training Grant Program

- **Postdoctoral Program:** supports the training of postdoctoral fellows interested in conducting applied education research. (NCER and NCSEER)

# National Research and Development Centers

TOPIC 1: Scaling Up Effective Schools

TOPIC 2: Mathematics Standards and Assessment

TOPIC 3: Cognition and Mathematics Instruction

## R&D Center on Scaling Up Effective Schools

- Identify effective schools and practices
- Develop transferable practices and a system to support the transfer of practices
- Implement identified practices in new schools
- Evaluate transfer of practices and impacts on achievement

# R&D Center on Mathematics Standards and Assessment

- Establish a mathematics standards and assessment framework
- Conduct research on assessment construction and methods for setting standards

# R&D Center on Cognition & Mathematics Instruction

- Identify existing mathematics curriculum that will be revised
- Rationale for redesign of instructional approach to chosen mathematics curriculum
- Revise chosen curriculum using revise-test-redesign-test process
- Evaluate effect of revised curriculum

# National R&D Centers in Special Education

- TOPIC 1: Assessment and Accountability
- TOPIC 2: Improving Mathematics Instruction for Students with Mathematics Difficulties

## R&D Center on Assessment and Accountability

- Examine the natural developmental progress in achievement by students with disabilities
- Develop and test various approaches for measuring growth for students with disabilities intended for use by school systems for accountability purposes.

## R&D Center on Improving Mathematics Instruction for Students with Mathematics Difficulties

- Explore underlying cognitive processes that impede mathematics performance in students with mathematics difficulties for the purpose of identifying possible targets for intervention
- Develop and test innovative instructional approaches or other interventions for students with mathematics difficulties based on underlying cognitive principles

## Funding available for R&D Centers

- \$1,000,000 to \$2,000,000 (total cost = direct + indirect) per year
- 5 years

# Statistical and Research Methodology in Education

- Research projects intended to expand and improve the methodological and statistical tools available for education researchers
- \$75,000 to \$400,000 (total cost = direct + indirect costs) per year for up to 3 years

# Evaluation of State and Local Education Programs and Policies

- Support for rigorous evaluations of education programs or policies that are implemented by state or local education agencies
- Typical awards for projects will be \$500,000 to \$1,200,000 (total cost = direct + indirect costs) per year for a maximum of 5 years

# Research Goals

## Determine Which Goal is Right for You

- G1 Explore programs, practices, or malleable factors associated with better student outcomes
- G2 Develop new education interventions
- G3 Evaluate the efficacy of interventions
- G4 Evaluate the impact of interventions implemented at scale
- G5 Develop and/or validate measurement tools

# Goal One: Exploration

Explore education programs, practices, and malleable factors that are associated with better student learning and achievement outcomes

## Goal One: Exploration

- \$100,000 to \$400,000 per year total cost (direct + indirect)
- 2 to 4 years

## Goal Two: Development and Innovation

- Develop new interventions (e.g., instructional practices, curricula, teacher professional development)
- Demonstrate the feasibility of the intervention for implementation in an authentic education delivery setting
- Collect pilot data on promise of intervention to achieve intended outcomes

## Goal Two: Development and Innovation

- \$150,000 to \$500,000 per year (total cost = direct + indirect)
- 1 to 3 years

## Goal Three: Efficacy and Replication

- Test efficacy of fully developed interventions
- Efficacy = the degree to which an intervention has a net positive impact on the outcomes of interest relative to the program/practice to which it is being compared

## Goal Three: Efficacy and Replication

- \$250,000 to \$750,000 per year (total cost)
- Up to 4 years

## Goal Four: Scale-up Evaluations

- Test the impact of interventions implemented at scale
- As implemented by practitioners (i.e., not by researchers)
- Studies using randomized assignment to treatment and comparison conditions are strongly preferred

## Goal Four: Scale-up Evaluations

- \$500,000 to \$1,200,000 per year (total cost)
- Up to 5 years

## Goal Five: Measurement

- Develop and validate assessments or other measurement tools
- \$150,000 to \$400,000 per year (total cost = direct + indirect)
- Up to 4 years

# Preparing and Submitting an Application

# Getting Started

- Request for Applications
- IES Grants.gov Application Submission Guide
- Application Package

# Finding Requests for Applications

FY 2010 Requests for Applications are available on:

<http://ies.ed.gov/funding>

Sign up for the IES Newsflash:

<http://ies.ed.gov/newsflash/>

### What's New

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## Finding Application Packages

- FY 2010 Application Packages will be available on [www.grants.gov](http://www.grants.gov)
- June Application Package available
  - April 27, 2009
- October Application Package available
  - August 3, 2009

Grants.gov - Microsoft Internet Explorer provided by US Department of Education

Address <http://www.grants.gov/>

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## Help Us Help You

- Read the Request for Applications carefully.
- Call or email IES program officers early in the process.
- IES program staff can review draft proposals, and provide feedback.

*Don't be afraid to contact us!*

# Follow Directions and Attend to Details

Read Program Announcements and Application Instructions carefully

- Eligible Applicants
- Special Requirements
- Content and Formatting Requirements
- Application Submission and Processing
- Application Due Dates

## Application Due Dates

- Education and Special Education Research; Evaluation of State and Local Education Programs and Policies
  - **June 25, 2009 and October 1, 2009**
- Statistical and Research Methodology in Education; Research Training Grants
  - **June 25, 2009**
- National Research and Development Centers
  - **October 1, 2009**

# What Happens Next?

## Peer Review

- Proposal is reviewed for compliance.
- Compliant proposals are assigned to a review panel.
- Two or three panel members conduct primary review of each application.
- Most competitive applications are reviewed by full panel at the panel meeting.

# Notification

- All applicants will receive email notification of the status of their application.
- All applicants receive copies of reviewer comments.
- If you are not granted an award the first time, consider resubmitting, and talk to your program officer.

<http://ies.ed.gov/funding>

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