

Changes and Realignments at the National Science Foundation

Information on EHR Realignment

FY 2006 Realignment:

- Merged Elementary, Secondary and Informal Education (ESIE) and Research, Evaluation and Communication (REC) divisions into the Division of Research on Learning in Formal and Informal Settings (DRL).
- The Research and Evaluation on Education in Science and Engineering (REESE) program is an incorporation of the Research on Learning and Education (ROLE), Evaluative Research and Evaluation Capacity Building (EREC) and the Interagency Education Research Initiative (IERI) programs.
- Math and Science Partnership (MSP) program has been moved to the Division of Undergraduate Education (DUE). This proposal does not change any programmatic arrangements of the MSP but simply moves all programs and associated staff from the EHR Office of the Assistant Director to DUE. The MSP budget line item and its associated funding will remain discrete within the DUE budget.
- Initiated pilot version of Academies for Young Scientists (NSFAYS).

FY 2007 Realignment: In FY 2007 EHR will maintain the new division structure created in FY 2006 and the following:

- Create the Discovery Research K-12 (DR-K12) program, which is the combination of three programs: Instructional Materials Development (IMD), Teacher Professional Continuum (TPC), and Centers for Learning and Teaching (CLT). Although the DR-K12 program will maintain the pre-existing focus on students, teachers, and schools, it will offer researchers and educators increased flexibility to work either in topical areas or across broad new domains to seek answers to the grand challenges facing K-12 education. DR-K12 will focus on applied research and development, building on the cutting-edge, experimental research supported by REESE, and handing off innovations to states and districts for large-scale implementation.
- Also included in the DRL division are the existing Informal Science Education (ISE) program and the new Research and Evaluation on Education in Science and Engineering (REESE) program.
- The NSF Director's Distinguished Teaching Scholars (DTS) program returns in FY 2007 as a track within a new awards program in DUE: Excellence Awards in Science and Engineering (EASE). The EASE program will also contain tracks for the Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST), formerly in DRL and the Presidential Awards for Excellence in Science, Mathematics, and Engineering Mentoring (PAESMEM), formerly in HRD.

Major Funding Changes for FY2007 By Division

Research on Learning in Formal and Informal Settings (DRL)

Increases

- Discovery Research K-12 (DR-K12) program by \$10.71 million
- Informal Science Education (ISE) increases by \$2.94 million
- The Tribal Colleges and Universities Program (TCUP) by \$3.15 million
- Centers of Research Excellence in Science and Technology (CREST) by \$7.04 million. Two to four new CREST Centers will be initiated.
- Experimental Program to Stimulate Competitive Research (EPSCoR) by \$1.28 million
- The Tribal Colleges and Universities Program (TCUP) by \$3.15 million
- National STEM Education Digital Library (NSDL) by \$500,000

Decreases

- Research and Evaluation on Education in Science and Engineering (REESE) program by \$6.87 million
- Academies for Young Scientists (NSFAYS) is a pilot program to be initiated in FY 2006. Since this activity is a demonstration project in FY 2006, no funds are requested in FY 2007.
- Final funding in FY 2006 for Higher Education Centers for Learning and Teaching by \$1.00 million

Undergraduate Education (DUE)

Increases

- Robert Noyce Scholarship Program (Noyce) by \$1.0 million
- Advanced Technological Education (ATE) by \$990,000 Science, Technology, Engineering and Mathematics Talent Expansion Program (STEP) by \$500,000
- Support increases for the workforce development programs –Federal Cyber Service: Scholarship for Service (SfS), and Excellence Awards in Science & Engineering (EASE).
- Science, Technology, Engineering and Mathematics Talent Expansion Program (STEP) increases by \$500,000

Decreases

- Math and Science Partnership (MSP) program by \$17.18 million. Funding will be continued for all existing MSP projects including new awards for Institute Partnerships made in FY 2006; and for data collection, evaluation, and dissemination.
- Course, Curriculum, and Laboratory Improvement (CCLI) program decreases by \$2.63 million, as the program is transformed and introduces phases to help prioritize efforts. Support increases for the other curriculum, laboratory and instructional development programs.
- National STEM Education Digital Library (NSDL).

Graduate Education (DGE)

Increases

- Graduate Teaching Fellows In K-12 Education (GK-12), Graduate Research Fellowships (GRF), and Integrative Graduate Education and Research Traineeships (IGERT) by \$7.55 million. In comparison to the FY 2006 Current Plan, this increase will support an additional 25 U.S. doctoral students in IGERT; an additional 65 graduate students in GRF; and an additional 50 doctoral students in the GK-12 program.

Human Resource Development (HRD)

Increases

- Historically Black Colleges and Universities Undergraduate Program (HBCU-UP) increases by \$4.53 million
- The Louis Stokes Alliances for Minority Participation (LSAMP) program increases by \$4.66 million to \$39.66 million and support for Alliances for Graduate Education and the Professoriate (AGEP) increases by \$4.45 million
- The Program for Gender Equity (PGE) increases by \$1.28 million
- Research in Disabilities Education (RDE) increases by \$660,000
- Centers of Research Excellence in Science and Technology (CREST) increases by \$7.04 million. Two to four new CREST Centers will be initiated.
- Experimental Program to Stimulate Competitive Research (EPSCoR) by \$1.28 million .

Overview of IES Goals and Funding Criteria

The following goal structure applies to each of the Institute of Educational Science's 22 research programs for FY2007.

For details, visit the IES website: <http://www.ed.gov/about/offices/list/ies/programs.html>.

Short-Hand Table of Program Information

Goal	Description	Funding
1	Identify programs	\$100-250K per year 2 to 3 years
2	Develop programs Type A (Intervention design) Type B (Piloting data)	\$150-500K per year, 2 to 4 years Up to \$500K per year for 4 years Up to \$500K per year for 2 years
3	Establish program efficacy	\$250-750K per year, up to 4 years
4	Implement program	Up to \$6,000,000 over 5 years
5	Develop program measurements	\$150-400K per year, 4 years

Extended Descriptions of Goals

Goal One: identify existing programs, practices, and policies that may have an impact on student outcomes and the factors that may mediate or moderate the effects of these programs, practices, and policies.

- *Typical awards for projects are \$100,000 to \$250,000 per year for 1 or 2 years.*

Goal Two: develop programs, practices, & policies that are potentially effective for improving outcomes.

- Type A:* Applications that develop new interventions or further develop interventions that are in the early stages of development (4 year limit).
- Type B:* Interventions that are ready to support or conduct a small study to obtain pilot data on the association between exposure to the intervention and student outcomes (2 year limit).
- *Typical awards for projects are \$150,000 to \$500,000 per year for 2 to 4 years.*

Goal Three: establish the efficacy of fully developed programs, practices, or policies that either have evidence of potential efficacy or are widely used but have not been rigorously evaluated

- *Typical awards for projects will be \$250,000 to \$750,000 per year for up to 4 years. Larger budgets will be considered if a compelling case can be made for such support.*

Goal Four: provide evidence on the effectiveness of programs, practices, & policies implemented at scale.

- *Maximum awards for Goal Four projects are \$6,000,000 over a 5 year period. Typical awards are less. Awards depend in part on the number of sites, cost of data collection, and cost of implementation.*

Goal Five: develop or validate data and measurement systems and tools.

- *Typical awards under Goal Five will be \$150,000 to \$400,000 per year for up to 4 years. Larger budgets will be considered if a compelling case can be made for such support. The size of award depends on the scope of the project.*

IES Decision Tree
(Section IV of RFP)
 Deciding Among Goals One, Two, Three, Four, and Five

