

Archived Information



Potential Federal Resources To Support Math Summit U.S. Department of Education (ED)

Office of Elementary and Secondary Education

Program: Teacher Quality (Title II-Part A)

Funding: FY2003 = \$2.93 billion

Description: The Improving Teacher Quality State Grants program is a formula grant program to states that increases student achievement by elevating teacher and principal quality through recruitment, hiring, and retention strategies. The program uses scientifically based professional development interventions and holds districts and schools accountable for improvements in student academic performance. Because each community may face a variety of challenges with respect to teacher quality, this program allows funds to be used for a wide array of interventions.

How it can work: This program lends itself to the reform of teacher and principal certification; intensive professional development; teacher mentoring; improvement of alternative methods for State certification; recruitment and retainment of highly qualified teachers; measurement systems for professional development; and merit-based performance system.

Summit Objective: Improved Student Achievement through Improving Teacher Knowledge

URL: www.ed.gov/programs/heatqp/

Program: Mathematics and Science Partnerships (Title II, Part B)

Funding: FY2003 = \$101 million

Description: The Mathematics and Science Partnerships program is a formula grant program to states that was designed to improve students' academic achievement in mathematics and science. It provides competitive grants to partnerships for professional development, teacher recruitment, and curriculum redesign in mathematics and science. The program is a jointly funded initiative supported by the U.S. Department of Education and the National Science Foundation.

How it can work: This program lends itself to the enhancement of ongoing professional development that improves subject matter knowledge of teachers; summer workshops or institutes for mathematics and science teachers; recruitment of mathematics, engineering and science majors for teaching; development and redesign of curricula; distance learning programs and programs to bring mathematics and science teachers in contact with working scientist, mathematicians, and engineers; and identification and development of exemplary mathematics and science teachers in K-8 classrooms.

Summit Objective: Improved Student Achievement through Improving Teacher Knowledge

URL: <http://www.nsf.gov/pubs/2002/nsf02140/nsf02140.htm>

(ED Continued)

Program: Preparing Tomorrow's Teachers to Use Technology Program (PT3)

Funding: FY2003 = \$62 million

Description: The Preparing tomorrow's teachers to use technology program is a competitive grant program that is to support high-quality reforms in teacher preparation programs for the purpose of increasing the knowledge, skills, and abilities of prospective teachers to use technology efficiently in their future teaching practices. This program provides grantees with the resources to make fundamental reforms in the way prospective teachers are trained to use technology in the classroom.

How it can work: This program lends itself to faculty development; course restructuring; certification policy changes; online teacher preparation; enriched-networked-virtual; video case studies; and mentoring triads.

Summit Objective: Improved Student Achievement through Improving Teacher Knowledge

URL: www.ed.gov/programs/teachtech/ or <http://www.pt3.org/>

Program: Transition to Teaching

Funding: FY2003 = \$41.72 million

Description: The Transition to Teaching program is a competitive grant program that recruits and retains highly qualified mid-career professionals and recent college graduates as teachers in high-need schools. The program also supports the development and expansion of alternative routes to initial teacher certification. Transition to Teaching will help bring individuals into teaching who have strong content expertise but lack a teaching credential, and it will help school districts fill shortage areas. Participants in the program will receive special assistance, guidance, and support to encourage them to make teaching a long-term career.

How it can work: This program lends itself to post-placement induction or support activities for recruiting and retaining highly qualified teachers (mentoring, internships, preservice coursework, high-quality professional development). It also lends itself to financial incentives for teachers to participate in programs for retainment in high-need schools.

Summit Objective: Improved Student Achievement through Improving Teacher Knowledge

URL: www.ed.gov/programs/transitionteach/

Program: Improving the Academic Achievement of the Disadvantaged (Title I)

Funding: FY2003 = \$2.85 billion

(SEC. 1119-- Qualification for Teachers and Paraprofessionals (5-10%))

Description: Title I provides flexible funding that may be used to provide additional instructional staff, professional development, extended-time programs, and other strategies for raising student achievement in high-poverty schools. The program focuses on promoting schoolwide reform in high-poverty schools and ensuring students' access to scientifically based instructional strategies and challenging academic content. Title I provisions provide a mechanism for holding states, school districts, and schools accountable for improving the academic achievement of all students and turning around low-performing schools, while providing alternatives to students in such schools to enable those students to receive a high-quality education. Title I funds may be used for a variety of services and activities, most commonly for instruction in reading and mathematics.

How it can work: This program lends itself to providing high-quality professional development to enable teachers to become highly qualified and successful classroom teachers.

Summit Objective: Improved Student Achievement through Improving Teacher Knowledge

URL: www.ed.gov/programs/titleiparta/

(ED Continued)

Program: Supplemental Services (Under Title I)

Funding: (States are allowed to spend a maximum of 15% of their Title I allocation)

Description: Supplemental educational services are a component of the *No Child Left Behind Act* (NCLB) that will provide extra academic assistance for eligible children. These services are additional academic instruction designed to increase the academic achievement of students in low-performing schools. This law requires school districts to offer a list of state-approved service providers in the area to parents.

How it can work: The goal is to ensure that students increase their academic achievement, particularly in reading/language arts and mathematics.

Summit Objective: Improved Student Achievement through Improving Teacher Knowledge

URL: www.ed.gov/admins/comm/suppsvcs/edpicks.jhtml

Program: State Flexibility (“State-Flex”) Authority (Title VI, Part A, Subpart-3 (a))

Funding: N/A

Description: The State Flexibility Authority program (State-Flex) is a new program that authorizes the Secretary to grant flexibility authority to up to seven eligible State educational agencies (SEAs).

How it can work: With this authority, an SEA may (1) consolidate and use certain Federal funds reserved for State administration and State-level activities for any educational purpose authorized under the ESEA; (2) specify how local educational agencies (LEAs) in the State use Innovative Program funds under Part A of Title V; and (3) enter into performance agreements with four to ten LEAs in the State, permitting those LEAs to consolidate certain Federal funds and to use those funds for any ESEA purpose consistent with the SEA's State-Flex plan. With 6 available slots and one state having applied thus far, the opportunity still available.

Summit Objective: Improved Student Achievement through Improving Teacher Knowledge

URL: www.ed.gov/programs/stateflex/

Program: Local Flexibility Demonstration Program (“Local-Flex”) Demonstration

(Title VI, Part A, Subpart 3 (b))

Funding: N/A

Description: The Local Flexibility Demonstration Program (Local-Flex) is a new flexibility program that authorizes the Secretary to enter into local flexibility demonstration agreements with a total of up to 80 local educational agencies (LEAs) in States that do not have State-Flex authority.

How it can work: Consistent with the purposes of the program, Local-Flex LEAs may consolidate and use certain Federal funds for any educational purpose authorized under the ESEA. Unlike the LEA performance agreements under State-Flex (which are between SEAs and LEAs), the flexibility agreements under Local-Flex are directly between the Secretary and LEAs.

Summit Objective: Improved Student Achievement through Improving Teacher Knowledge

URL: www.ed.gov/programs/localflex/

(ED Continued)

Program: 21st Century Community Learning Centers (Title IV, Part B)

Funding: FY 2003 = \$993.5 million

Description: The new 21st Century program is a state-administered discretionary grant program in which states hold a competition to fund academically focused after-school programs. The 21st Century Community Learning Centers program provides services, during non-school hours or periods, to students and their families for academic enrichment, including tutorial and other services to help students, particularly those who attend low-performing schools, to meet state and local student academic achievement standards in mathematics and other content areas. (While the focus is on improving students' academic achievement, other activities associated with youth development are permitted). In addition to districts, community- and faith based organizations, and government entities, as well as other public or private entities, may apply for these funds individually or jointly with school districts.

How it can work: The goal is to ensure that students increase their academic achievement, particularly in reading/language arts and mathematics by providing direct tutoring services to students who qualify.

Summit Objective: Improved Student Achievement through Improving Teacher Knowledge

URL: www.ed.gov/programs/21stccclc/

Program Name: Eisenhower Regional Mathematics and Science Education Consortia

Funding: FY 2003 = \$15 million

Description: The Eisenhower Regional Consortia program is a multi-year grant program that supports ten regional service providers. The ten members of the Consortia provide direct delivery of technical assistance and professional development to improve mathematics and science teaching and learning, the facilitation of planning teams and networks, and dissemination of mathematics and science education information. The Consortia work with hundreds of partners cross the country to provide an effective mechanism for delivering services and products to leverage resources and bolster mathematics and science education improvement efforts. Partners include SEAs, LEAs, IHEs, professional associations, other federal agencies, community organizations, business organizations, and other education stakeholders.

How it can work: This program is designed to help build the capacity of states and schools to implement school reform programs; coordinate federal, state, and local education plans and activities; and adopt, adapt, and implement promising and proven practices for improving teaching and learning in math and science education.

Summit Objective: Improved Student Achievement through Improving Teacher Knowledge

URL: www.ed.gov/programs/enconsortia/

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Institute of Education Sciences (ED)

Program: Research on Effective Math Education (REME)

Funding: FY2003 = \$7 million

Description: The purpose of Research on Effective Mathematics Education (REME) is to support the identification of interventions and approaches in mathematics education that will result in improving mathematics achievement for all students and closing achievement gaps between minority and non-minority students, and between economically disadvantaged students and their more advantaged peers. The focus of the 2003 competition will be middle-school mathematics education.

How it can work: This program lends itself to the support of research to develop and evaluate effective curriculum and instruction in middle school mathematics; investigation of how to successfully replicate schools and districts that have effectively supported mathematics achievement in the middle grades for all students; and provision of scientific evidence on interventions, approaches, and systems that support the development of mathematical proficiency by all students.

Summit Objective: Building the Research Base

URL: www.ed.gov/programs/edresearch/MathRFP.doc

Program: Interagency Education Research Initiative (IERI)

Funding: FY2003 = \$20 million

Description: The goal of the Interagency Education Research Initiative is to support scientific research that investigates the effectiveness of educational interventions in reading, mathematics, and the sciences as they are implemented in varied school settings with diverse student populations. From an empirical perspective, the aim of IERI is to identify conditions under which effective evidence-based interventions to improve preK-12 student learning and achievement succeed when applied on a large scale.

How it can work: This program lends itself to the support of research that seeks to identify factors that predict the success of interventions implemented in varied educational settings; generation of evidence about the organizational factors that support the effective implementation of interventions; and identification of aspects of teacher quality and student learning critical for supporting large-scale programs focused on improving student achievement in mathematics.

Summit Objective: Building the Research Base

URL: www.ed.gov/offices/OERI/IERI/