

Archived Information

TELECOMMUNICATIONS DEMONSTRATION PROJECT FOR MATHEMATICS

Goal: To improve the learning and teaching of mathematics through the use of technology.

Relationship of Program to Volume 1, Department-wide Objectives: The Telecommunications Demonstration Project for Mathematics provides support for Objectives 1.7 and 2.3. The program provides assistance to teachers through the development of broadcast programming, videos, support materials, and on-line services to improve student skills in and understanding of mathematics.

FY 2000—\$8,500,000

FY 2001—Funds for the Telecommunications Demonstration Project for Mathematics are being requested under the Telecommunications Program for Professional Development, which is proposed to replace this program. The total FY 2001 request is \$5,000,000.

OBJECTIVE 1: PROMOTE EXCELLENT TEACHING IN MATHEMATICS THROUGH SUSTAINED PROFESSIONAL DEVELOPMENT AND TEACHER NETWORKS.

Indicator 1.1: Increasing participation in sustained professional development: The number of teachers sharing resources and engaged in other professional development activities through on-line learning communities will increase annually.

Targets and Performance Data			Assessment of Progress	Sources and Data Quality
<i>Number of teachers who shared resources and engaged in other professional development activities through Telecommunications Demonstration Project on-line learning communities</i>			<p>Status: No change. New awards anticipated in FY 2000, which may result in subsequent modifications of targets in outyears.</p> <p>Explanation: Current project ends September 2000. New award(s) expected to be made by spring 2000. A new award is anticipated in FY 2000, which may result in subsequent modifications of targets in outyears.</p>	<p>Source: Annual review of grant performance reports, 1999; teacher surveys collected by the project, 1999. <i>Frequency:</i> Annually. <i>Next Update:</i> Summer 2000.</p> <p>Validation Procedure: No formal verification procedure applied.</p> <p>Limitations of Data and Planned Improvements: Grantee provides data.</p>
Year	Actual Performance	Performance Targets		
1997:	5,500			
1998:	5,800			
1999:	5,800	Continuous increase		
2000:		6,090		
2001:		New grant award(s), target to be determined by spring 2001		
2002:		To be added pending new award(s) made in spring 2000		

KEY STRATEGIES

Strategies Continued from 1999

- ❖ Provide financial assistance to support development of videos, support materials, and on-line services. Based on needs identified by the Third International Mathematics and Science Study (TIMSS) data and other national math assessments, the Office of Educational Research and Improvement will work with the Public Broadcasting Service to develop a specific focus and content for math programming.

New or Strengthened Strategies

- ❖ In FY 2000, the Office of Educational Research and Improvement added the performance indicator to the application for the new competition in FY 2000. As a result, the new grantee(s) will be required to address the indicator in their applications. In addition, the applications will be reviewed on the basis of the extent to which they have adequately responded to the indicator.

HOW THIS PROGRAM COORDINATES WITH OTHER FEDERAL ACTIVITIES

- ❖ Telecommunications Demonstration Project for Mathematics will collaborate with the Eisenhower National Clearinghouse for Mathematics Science Education to be sure that products are shared. Other federally funded projects and programs include the Star Schools Program, the Regional Technology in Education Consortia (R*TEC), the Eisenhower Consortia and Clearinghouse, and other technology demonstration programs funded under Title III. Program staff will consider the relevance of such coordination for the new grantee(s) anticipated in FY 2000 and report accordingly.

CHALLENGES TO ACHIEVING PROGRAM GOAL

- ❖ The program goal is being met, and evidence of sustained teacher professional development has been reported.

INDICATOR CHANGES**From FY 1999 Annual Plan (two years old)**Adjusted

- ❖ Indicators 1.1 and 1.2 were merged for clarity.

Dropped

- ❖ Indicator 1.3: “An increasing proportion of participating teachers will report improvements in practice and methods that align with standards resulting from sharing resources through on-line learning communities” has been dropped. No current data are available from the existing project that meets this indicator.

From FY 2000 Annual Plan (last year’s)

Adjusted—None.

Dropped—None.

New—None.