

Archived Information

Education Development Center, Inc. (EDC)

Goal Area: Improving Teacher Quality

Summary of Organizational Activities: EDC manages several large-scale professional development projects for teachers of mathematics at all grade levels, and for administrators at the department, school, and district levels.

Purpose: The overriding goal of all of EDC's professional development projects in mathematics is to help teachers and administrators deepen their content knowledge. Mathematics teaching at all levels requires profound understanding of fundamental mathematics concepts and relationships, and teachers at all stages of their careers need time and support to build this knowledge and skill.

Activities and Results:

- *Addressing Accessibility in Mathematics:* This project, funded by NSF, designs and implements a professional development model and materials that will enable mathematics and special education teachers to successfully support students with disabilities in regular mathematics classrooms.
- *Administrators Working for Change:* This NSF-funded project develops, pilot- and field-tests, and publishes instructional materials and facilitators' guides to support administrators learning about mathematics education reform and to encourage administrators to think through new ideas about mathematics instruction.
- *Connecting with Mathematics:* This NSF-funded project develops, field-tests, and disseminates professional development materials for teachers of grades 7 through 12 for use in a variety of settings.
- *Developing Mathematical Ideas Network:* EDC uses the Developing Mathematical Ideas professional development curriculum to help school systems build capacity for in-depth professional development in elementary mathematics. Funded by DeWitt Wallace Reader's Digest Fund.
- *Facilitating Lenses on Learning:* Facilitator institutes prepare a national group of prospective facilitators to teach two *Lenses on Learning* courses, which help school and district administrators support standards-based elementary mathematics instruction. Funded by NSF.
- *K–12 Mathematics Curriculum Center (K–12 MCC):* K–12 MCC, funded by NSF, provides a variety of services and products to support school districts around the country as they select and implement standards-based mathematics curricula.
- *Lesson Study Communities in Secondary Mathematics:* This NSF-funded project will work with teams of middle and high school mathematics teachers in the eastern Massachusetts region. Through EDC workshops and on-site coaching, the project will give teachers opportunities for both mathematical and pedagogical growth.
- *MathScape Curriculum Center:* Funded by NSF, the Center provides support to school districts using this middle school math curriculum. The Curriculum Center assists school staff by developing implementation and teacher preparation materials.
- *PBS TeacherLine Online Professional Development Modules:* This project is developing a series of 17 online professional development modules that will be made available through the PBS TeacherLine site (<http://teacherline.pbs.org/teacherline/>).
- *Teacher Leadership for Systemic Reform:* Teacher leadership is often used as a strategy for helping large numbers of teachers change their classroom practice. This research project investigates models of teacher leadership in mathematics and science used by six Urban Systemic Initiative sites across the country.

Plans for the next 12 months: All of the activities described above are ongoing.