

Archived Information

Mathematical Association of America

Improving Teacher Knowledge: Preparing Mathematicians to Educate Teachers (PMET)

Goal:

Preparing Mathematicians to Educate Teachers (PMET) will enable college and university mathematics faculty to better support school mathematics through better courses for future teachers and professional development for in-service teachers.

Summary:

The PMET project will have three major components:

1. Faculty Training: Summer workshops of various lengths and mini-courses at professional meetings.
2. Information and Resources: Articles in professional journals, panels at meetings, multi-media websites, and hard-copy material dissemination to support faculty instruction for teachers.
3. Mini-grants and Regional Networks: to nurture and support grassroots innovation in teacher education on individual campuses. These grants and networks will be concentrated in five states: New York, California, Ohio, Nebraska, and North Carolina.

Purpose:

Assist higher education faculty through a broad array of educational, organizational and financial assistance to mathematicians. PMET activities target all mathematics faculty since future teachers are strongly influenced by all mathematics courses they take.

Accomplishments/Results:

A workshop at the 2002 Joint Mathematics Meetings in San Diego, *Teaching Future Teachers*, attracted over 50 participants. This workshop served as a pilot for the PMET workshops. Funding for PMET was awarded by NSF/DUE in January, 2003. We have established the state networks by identifying leaders and co-leaders and have organized four workshops, one in each state, for summer 2003.

Plans for next 12 months:

- Introductory minicourses at national and sectional meetings, talks and panel discussions about the mathematical education of teachers at national and regional meetings of the MAA, AMATYC, ASA, and NCTM, minigrants of approximately \$3000 for individual campuses to rework mathematics courses for teachers, bring speakers into their department, and support networking of those receiving these minigrants.
- Workshops for faculty preparing elementary teachers:
June 15-21, Arcata, CA; Aug. 3-15, Boone, NC; June 1-7, Lincoln, NE.
- Workshops for faculty preparing secondary teachers:
June 8-20 and summer 2004, Potsdam, NY.

Addition information is available at <http://www.maa.org/PMET>.