



MATHEMATICS EDUCATION TRUST

Classroom Research Grants Pre-K-6

PURPOSE:

The purpose of this grant is to support and encourage classroom-based research in precollege mathematics education in collaboration with college or university mathematics educators.

SUPPORTED BY: Edward G. Begle Fund and NCTM

GRADES: Pre-K-5, 6-8

GRANT AMOUNT: Maximum of \$6,000 each will be awarded

DEADLINE: November 1

ELIGIBLE APPLICANTS:

- Mathematics educators or classroom teachers currently teaching mathematics at the grades Pre-K-6 level. Note for the purposes of this grant, the definition of a classroom teacher is an individual who spends half or more of his/her work time teaching in the classroom.
- No person(s) may receive more than one award administered by the Mathematics Education Trust in the same academic year.
- Past recipients of this grant are not eligible to reapply.

INDIVIDUAL AWARD OR ORGANIZATIONAL AWARD:

MEMBERSHIP REQUIREMENT:

- The primary applicant must be either (1) a college or university mathematics educator who is a current Essential or Premium member of NCTM or (2) a teacher who is a current Essential or Premium member of NCTM.

GENERAL PROPOSAL INFORMATION:

- The research must be a collaborative effort involving a college or university mathematics educator (a mathematics education researcher or a teacher of mathematics learning, teaching, or curriculum) and one or more grades Pre-K-6 classroom teachers (individuals who spend half or more of their work time teaching in the classroom).
- The proposal may include, but is not restricted to, research on the following topics:
 - Curriculum development and implementation
 - Involvement of at-risk students or students from diverse backgrounds and experiences
 - Students' thinking about a particular mathematics concept or set of concepts
 - Connection of mathematics to other disciplines
 - Focused learning and teaching of mathematics with embedded use of technology (any acquisition of equipment must support the proposed plan but not be the primary focus of the grant)
 - Innovative assessment or evaluation strategies
- Involvement of preservice teachers is encouraged but not required.

AWARD APPLICATION INFORMATION

- This research should lead to a draft article suitable for submission in the Mathematics Teacher Educator, Journal for Research in Mathematics Education or Mathematics Teacher: Learning and Teaching PK-12.
- Proposals must address the following: research design, the plan for collecting and analyzing data, and the anticipated impact on students' learning.

PROPOSAL COMPONENTS:

I Proposal (Five pages maximum)

A. Plan:

- Must be a collaboration between college or university mathematics educator and one or more grade Pre-K through 6 classroom teacher(s).
- Include project title.
- Describe the research questions to be investigated, providing a clear picture of the project's objectives.
- Include a detailed plan for carrying out the work and a projected timeline for completion of the project.
- Describe the data collection and analysis methods to be used.
- Include a summary of related research literature.

B. Outcome

- Explain the hypotheses and how you expect to assess the project's outcomes
- Address the anticipated impact on students' learning.

II. Budget (Two pages maximum; table format)

- No indirect costs.
- Include an itemized budget, presented in line-item table format.
- If the total budget for a proposed project is greater than the grant maximum, indicate clearly what the grant funds will cover and what additional funding sources might be available to complete the total budget.
- Funds may be used for any reasonable project expenses, including stipends for participating researchers and collaborating teachers, which are well justified.
- Acquisition of equipment and conference attendance must support the proposed plan but not be the primary focus of the grant.
- Major technology needs should be covered by funds from other sources.

III. Background and Experience

- One-page maximum, outline format preferred.
- One for each applicant.
- Formal education: institution, type of degree, major, minor, and date each degree was granted.
- Teaching experience related to this proposal. Indicate the school(s), teaching assignments, and other pertinent information, including continuing education and professional activities.

V. Letter of Support from Principal

- One-page maximum.
- Must be on official school stationery and signed by the principal of cooperating school.
- Confirm the teaching status of the applicant.
- Indicate strong support for the proposal and the applicant's ability to accomplish it.

VI. Letter of Support from Collaborating Partner

- One-page maximum.

AWARD APPLICATION INFORMATION

- Must be on official school stationery and signed.
- Confirm collaborative commitment to project.

REPORTING REQUIREMENTS:

- Awardees will be required to submit a brief report (two to three double-spaced pages) and an itemized report of expenses. The final report detailing the results of the research and any anticipated follow-up activities must be filed within three months of the completion of the project.
- A draft article suitable for submission to Mathematics Teacher Educator, the Journal for Research in Mathematics Education or Mathematics Teacher: Learning and Teaching PK-12 could be part of the final report.