AWARD APPLICATION INFORMATION

MATHEMATICS EDUCATION TRUST
Classroom Research Grants 7-12

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: E. Glenadine Gibb Fund and NCTM

GRADES: 6-8, 9-12

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 7-12 level.
• 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.

MEMBERSHIP REQUIREMENT:
• The primary applicant must be 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 7-12 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.
• This research should lead to a draft article suitable for submission in the Mathematics Teacher Educator, Journal for Research in Mathematics Education, or in 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 7 through 12 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 including funds requested from the Mathematics Education Trust and other sources of funds, if applicable.
   • 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.

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

V. 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.

FINAL REPORT 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.