



## MATHEMATICS EDUCATION TRUST

# Classroom Research Grant (PK-12)

### PURPOSE

This grant aims to encourage and support a collaborative team of teacher(s) and college or university mathematics educator(s) in conducting classroom-based research in mathematics education.

**SUPPORTED BY:** Edward G. Begle Fund, E. Glenadine Gibb Fund, and NCTM

**GRADES:** PK-12

**GRANT AMOUNT:** Maximum of \$6,000

**DEADLINE:** November 1

### ELIGIBLE APPLICANTS

- The primary applicant may be either a mathematics educator or a PK-12 classroom teacher currently teaching mathematics.
- 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.

### AWARD TYPE: Organizational

For MET grants, an organization is defined as a school, school district, university, or non-profit mathematics education organization. The primary applicant will indicate an organization to administer the finances of the grant when applying for the grant. The primary applicant MAY choose to administer the finances of the grant themselves; if so, they are responsible for reporting this award to the IRS on their personal tax return as income.

### MEMBERSHIP REQUIREMENT

The applicant must be a current (on the day of the application) 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 post-secondary instructor of mathematics learning, teaching, or curriculum) and one or more grades PK-12 classroom teacher(s) defined as individuals who spend half or more of their work time teaching in the
- The research must address a significant and specific area of mathematics education.
- The proposal may include, but is not restricted to, research on the following topics:
  - Curriculum development and implementation
  - Instruction for at-risk students or students from diverse backgrounds and experiences
  - Student's thinking about a particular mathematics concept or set of concepts
  - Connection of mathematics to other disciplines
  - Focus on learning and/or teaching of Mathematics
  - Innovative assessment or evaluation strategies

## AWARD APPLICATION INFORMATION

- Involvement of preservice teachers is encouraged but not required.
- This research should lead to a draft article suitable for submission to the *Mathematics Teacher Educator* (MTE), *Mathematics Teacher: Learning and Teaching PK-12* (MTLT), *Journal for Research in Mathematics Education* (JRME), *Contemporary Issues in Technology and Teacher Education* (CITE Journal) or a comparable journal.
- Proposals must address research design, the plan for collecting and analyzing data, and the anticipated impact on students' learning.
- If human subjects are part of the research proposal, funding will not be released until the applicant provides evidence to MET of IRB approval from their organization.
- Project activities are to be completed between June 1 and May 31.

### PROPOSAL COMPONENTS

Use the components below to outline your proposal. Use the rubric to check that you have met the criteria for the grant before submitting your proposal

#### I. Proposal (Five pages maximum; single-space, 12 font, 1 inch margin)

##### A. Plan

The Proposal must be a collaboration by university faculty and PK-12 classroom teacher(s) that:

- Describe the research question(s) to be investigated, providing a clear picture of the project's objectives and need for the research to be conducted.
- Include a summary of related research literature.
- Describe the data collection and analysis methods and measures to be used.
- Include a detailed plan for carrying out the work and a projected timeline for completion of the project.
- Includes intentions for IRB approval at both collaborating institutions if human subjects are involved.

##### B. Outcomes

- Explain the hypotheses and how you expect to assess the project's outcomes.
- Describe how the results of the research will be used and shared.

#### II. Budget (Two pages maximum; table format)

- No indirect costs are permitted.
- 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 must include justification.
- Equipment acquisition 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.

## AWARD APPLICATION INFORMATION

### III. Background and Experience

Provide a vita (one-page maximum), outline format preferred, for *both* the primary teacher applicant and university researcher that includes:

- Formal education including the institution, type and date of degree, major, and minor.
- Professional experience, including research 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

Include a letter (one-page maximum) that:

- Is written on official school letterhead and signed by the principal.
- Confirms the teaching status of the applicant for the time of the project.
- Indicates strong support for the proposal and the applicant's ability to accomplish it

### V. Letter of Support from a Higher Education Institution

Include a letter (one-page maximum) that:

- Is written on official school letterhead and signed by a supervisor.
- Indicates strong support for the collaborative commitment of the university personnel and the potential success of the project.

### FINAL REPORT REQUIREMENTS

- Recipients are required to submit a brief report (two single-spaced pages) and an itemized report of expenses with receipts. 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, with submission by August 31.
- During the subsequent school year, awardees will be required to submit a draft of an article about the action research findings to be submitted for publication and the name of the intended journal.

### AWARD AND PAYMENT SCHEDULE

- Award notification will be made by early February.
- Two-thirds of the approved budget, not to exceed \$4,000, will be paid in early May. The remainder will be paid on receipt of a final report and verified expenses (with receipts) related to the proposal.