



## MATHEMATICS EDUCATION TRUST

# Designing Innovative Lessons and Activities for Mathematics Teaching Grant (PK-8)

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The Mary P. Dolciani Halloran Foundation sponsors this grant to support the synergy of ideas. Mary Dolciani was a prolific and innovative author of mathematics teaching materials. This grant encourages the time-honored tradition of writing and supports research showing that collaboration with educators on new ideas can increase the breadth and depth of mathematics content knowledge and of mathematics teaching and learning.

### PURPOSE

This grant encourages teams of mathematics educators to engage in the process of writing and editing materials for mathematics teachers.

**SUPPORTED BY:** Mary P. Dolciani Halloran Foundation and NCTM

**GRADES:** PK-5, 6-8

**GRANT AMOUNT:** \$5,000 will be awarded in the first year. Grants may be renewed annually for a maximum of two additional years for a maximum of \$15,000 for the lifetime of any grant

**DEADLINE:** November 1

### ELIGIBLE APPLICANTS

- A leadership team of mathematics educators representing the following:
  - Two (2) or more K-8 schools.
  - Two (2) or more K-8 classroom teachers, with a minimum of one per school.
  - A mathematics educator from a community college, college, or university.
- This grant encourages the inclusion of coaches and preservice teachers as a part of the design process.
- Each leadership team may also include high school mathematics teachers or pre-service teachers.
- A person may receive no more than one award administered by the Mathematics Education Trust in the same academic year.
- On review by the MET Board, successful grants may be renewed annually for a maximum of two additional years.

### 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.

## AWARD APPLICATION INFORMATION

### MEMBERSHIP REQUIREMENT

The primary applicant must be a current (on or before the application deadline) Essential or Premium member of NCTM.

### GENERAL PROPOSAL INFORMATION

PK-8 lessons and activities should:

- provide students rich, challenging, relevant, and nonroutine experiences.
- be piloted in classrooms and revised as the project progresses.
- focus on a mathematical theme.

### 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 (Three pages maximum; single-space, 12 font, 1 inch margin)

##### A. Plan

- Provide a rationale for this project.
- Describe the expected lessons or activities around a mathematical theme.
- Describe the expected goals and grant activities you plan on implementing to meet those goals.
- Describe a 3-year timeline of specific plans for writing, piloting, and revising activities
- Describe a plan to share your materials with other teachers and teacher leaders at conferences or through publications.

##### B. Outcomes

- Describe the anticipated improvements in mathematics teaching and learning.
- Describe plans for assessing student learning and evaluating the success of the program.

#### II. Budget (One page maximum; table format)

- No indirect costs are permitted.
- Include an itemized 3-year budget, presented in line-item table format. Be specific and indicate how you would allocate \$5,000 annually from this award to be used for expenses related to achieving the goals of the proposal.
- 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 stipends, expenses related to writing, piloting, and revising lessons, and professional development expenses if the professional development focus is aligned with the mathematical theme of the grant. Classroom materials should not be more than 10% of the proposed budget.
- Funds may not be used for substitute services of any type, travel and lodging for professional development, or food for workshops.

## AWARD APPLICATION INFORMATION

### III. Background and Experience

- List the members of the Leadership Team.
- Provide a one-page maximum resumé for three Leadership Team members, that includes both formal education (institution, type of degree and when awarded, major, and minor) and professional activities related to mathematics education.
- List anticipated participants, schools involved, teaching assignments and levels, and other pertinent information.

### IV. Three (3) Letters of Recommendation

Submit letters from each participating school principal (two maximum) and one from higher-education dean, department chair, etc. confirming support for the project, participants, and leaders. Letters should be one-page maximum and on school letterhead.

### REPORT AND CONTINUATION REQUIREMENTS

- Awardees will be required to submit a brief report (two single-spaced pages) upon completion of each year of the plan. Verify budget for subsequent year(s) with revisions if needed.
- Multi-year grants are subject to an assessment of progress/completion on a yearly basis to determine the continuation of funding of the originally approved grant. See chart below for report requirements

### AWARD AND PAYMENT SCHEDULE

- Award notification will be made by early February.
- The full annual amount of \$5000 will be paid at the beginning of the grant.

### YEARLY PROGRESS AND FINAL REPORTS SCHEDULE

Yearly progress reports are due Dec. 1<sup>st</sup> of the first and second year of funding. The Final Report is due May 1 of the last year of the grant.

Yr 1 Progress	Yr 2 Progress	Final Report	Provide a report that
x	x		Requests funding for an additional year and submit a budget.
x	x	x	Describes the progress achieved, successes, and any problems encountered and how they were resolved.
x	x	x	Lists all lessons produced with status of progress.
x	x		Shares examples of lessons produced (2-4 examples).
		x	Includes all lessons produced.*
x	x	x	Describes what you have learned from assessing student learning from piloting the activities and next steps for revisions or additions.
		x	Updates timelines addressing writing, piloting, revising, and disseminating the materials.
x	x	x	Lists expenses with receipts.
x	x		Includes an itemized proposed budget for the following year.

\* As part of the Final Report, awardees will include an electronic copy of the lessons and activities developed by the grant to MET.