



## MATHEMATICS EDUCATION TRUST

# Improving Students' Understanding of Geometry Grant

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### **PURPOSE:**

The purpose of this grant is to develop activities that will enable students to better appreciate understand, and apply some aspect of geometry that is consistent with adopted standards and connects to a context outside of mathematics.

**SUPPORTED BY:** John and Stacey Wahl Fund

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

**GRANT AMOUNT:** Maximum of \$4,000 each will be awarded

**DEADLINE:** November 1

### **ELIGIBLE APPLICANTS:**

- Applicants must currently be teaching at the PK-8 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.

### **INDIVIDUAL AWARD OR ORGANIZATIONAL AWARD:** Organizational

For the purposes of MET grants, an organization is defined to be a school, school district, university, or non-profit mathematics education organization. The primary applicant MAY indicate an organization to administer the finances of the grant when applying for the grant. If the primary application chooses to administer the finances of the grant, they are responsible for reporting this income to the IRS.

### **MEMBERSHIP REQUIREMENT:**

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

### **GENERAL PROPOSAL INFORMATION:**

- The developed activities should include applications of geometry, for example, to art, literature, music, science, architecture, nature, or some other relevant area. Activities may integrate the use of technology into the teaching of geometry.
- The activities may use published materials. Any published sources must be documented.
- Any acquisition of equipment or payment of personal stipends must be critical to the grant proposal.
- Proposals must address the following: geometry content, the link between the Geometry Standards and the project's content and activities, and the anticipated impact on students' learning.
- Project activities are to be completed between June 1 and May 31.

## AWARD APPLICATION INFORMATION

### PROPOSAL COMPONENTS:

Use the components below to outline your proposal. See rubric for additional information.

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

##### A. Plan

- Provide a rationale for the project and the activities to be developed.
- Describe your plan in detail addressing the geometry content and the connections to geometry standards. Indicate any initial work you may have done on the project.
- Describe the relevance of the content that will be connected to the other area(s) through the geometry activities developed. (e. g., art, literature, music, science, architecture, nature, etc.). The activities may use published materials. Any published sources must be documented.

##### B. Outcomes

- Describe the anticipated impact on students' appreciation and learning of Geometry concepts.
- Explain how you plan to assess the project's impact on students' appreciation and learning of Geometry.

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

- No indirect costs are permitted.
- Include an itemized budget, presented in line-item table format. Be specific and indicate how you would allocate the \$4,000 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.
- Acquisition of equipment, payment of personal stipends, or conference attendance must be critical to the grant proposal, support the proposed plan but not be the primary focus of the grant.

#### III. Background and Experience

Provide one-page maximum, outline format preferred, that includes:

- 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

Provide a letter from your principal, one-page maximum, that:

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

#### FINAL REPORT REQUIREMENTS:

- Awardees will be required to submit a brief report (two single-spaced pages) and an itemized report of expenses (with receipts). The award letter will indicate specific dates and requirements.
- Awardees will be required to share the results with colleagues by submitting a descriptive report, documenting the results of their project.

## AWARD APPLICATION INFORMATION

### AWARD AND PAYMENT SCHEDULE:

- Award notification will be made by early February.
- Two-thirds of the approved budget, not to exceed \$2,667, 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.