

Frederick County Educational Foundation

Science, Technology, Engineering, and Mathematics (STEM) Grant

2014–2015

Summary

The Frederick County Educational Foundation STEM Grant promotes innovation in the teaching of science, technology, engineering, and mathematics. The grant award will recognize outstanding high school programs seeking to improve instruction in any of the STEM areas. The grant is not intended for the purpose of instructional technology purchases for their sake alone. Teachers interested in applying for this grant should be familiar with STEM applications within mathematics, science, or career and technical education classrooms. Grant funds may be requested to support teacher professional development activities that promote STEM activities.

Award

Grant awards per school may total \$40,000; however, individual resources/supplies may not exceed \$7,500. If available, funding may be applied for annually through the 2016-2017 school year.

Eligibility

Teacher applicants must be from the mathematics, science, or career and technical education program areas in grades 9-12. Applications are limited to ten pieces of classroom resources/supplies with the maximum individual classroom resources/supplies not to exceed \$7,500 (both individually and as a team).

Selection Procedure

All applications must be approved by the building principal, who shall forward applications **ELECTRONICALLY** to the FCEF Executive Director by **September 30, 2014**. The FCEF Board will review all applications and determine the STEM Grant recipients.

Criteria for Judging

Demonstrate the following:

- Innovative science, technology, engineering, or mathematics instruction using resources which may be purchased with grant funds
- high levels of student inquiry and engagement in the pure sciences or applied mathematics and technology
- need for support
- use of state standards in science, career and technology, or mathematics education

Award Submission Requirements

- Have completed and signed application with principal approval. **ALL APPLICATIONS ARE TO BE SUBMITTED ELECTRONICALLY TO MARY P. NORDMAN, EXECUTIVE DIRECTOR, FREDERICK COUNTY EDUCATIONAL FOUNDATION**
- Provide narrative description of the project, how the project will improve instruction and engage students in higher order thinking and application of knowledge (two typed pages maximum).
- Provide expected outcomes of the project with a description of how the outcomes will be measured.

Requirements for Narrative

The narrative must describe how the project(s) will improve instruction, engage students in higher order thinking, and application of knowledge. A description of the project should include intended activities, laboratory activities, or expected instructional supports. The narrative must illustrate how purchased equipment or other resources will augment instruction or meet individual needs of students (including those with academic deficits or accelerated learners).

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Directions: (All pages must be typed)

1. Complete cover page and sign.
2. Attach narrative project description (two-page maximum).
3. Complete proposed budget.
4. Provide measurable outcomes.
5. Submit to principal for approval.

Note: Add rows, as necessary.

Proposed Budget

Item/Activity	Description or Purpose	Unit Cost	Total
Grand Total			

Measurable Outcomes

Outcome (Students will be able to)	Measure (How will evaluator know?)

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Cover Sheet

PROJECT NAME:

TEACHER NAME(S):

SCHOOL IP PHONE EXTENSION(S):

DIVISION E-MAIL ADDRESS(ES):

SCHOOL:

I certify that I will provide quarterly progress reports **electronically** to the Frederick County Educational Foundation, if awarded this grant.

Teacher Signature: _____

I certify that I have reviewed this application for appropriateness and recommend it for consideration.

Principal Signature: _____