STEM Competition Team Grant Initiative

A State-fundedInitiativefor PK-12 Schools

Guidance for Submission of Application

to

Virginia Department of Education

Office of STEM and Innovation

Application due on or before

July 9, 2021

Email signed application to vdoe.stem@doe.virginia.gov

# **OVERVIEW**

## **GOALS**

* Increase awareness of careers in science, technology, engineering, and mathematics (STEM) among teachers and students.
* Engage students in extracurricular, STEM-related team-building activities through problem-based, project-based team competitions.
* Foster STEM competition team development and growth throughout Virginia.
* Focus on STEM literacy skills through hands-on experiences. These experiences will include problem-driven integrated STEM activities that use collaboration, communication, creativity, critical thinking, and ethics to explore the challenges and opportunities of the STEM Competition Team Grant Initiative.

## **ELIGIBLE SCHOOLS**

* Schools that have demonstrated an interest in establishing new STEM competition teams and will serve as model schools for the STEM Competition Team Grant Initiative.
* **Public PK-12** schools at which at least **40 percent** of the students qualify for free or reduced lunch.
* A school division may apply for grant funding to establish and then support STEM competition teams for one or more qualifying schools (an application for grant funding is to be submitted for **each** proposed STEM competition team school program in the division).
* Grants to qualifying schools are not to exceed $5,000 per school per year. Total STEM competition team grant awards to a division are not to exceed $10,000 per year.
* Schools applying for first-year grants can use the funds for planning purposes and will be eligible to receive a second-year of funding (initiative expansion) grant in the subsequent year, pending availability of funding.
* Schools seeking second-year grants and meeting all eligibility requirements will be given priority over other grant applicants.
* Grant applications shall be evaluated in the order that each completed eligible application is received. In the event that the amount of eligible grants requested in a fiscal year exceeds the funds available, such grant applications shall be rolled over to the next fiscal year.
* The completed application consisting of contact information; a proposed budget; a statement of assurance; and an abstract not to exceed a total of one page that briefly outlines the plan to carry out the initiative requirements, criteria for selection of students to participate, and summary of the overall evaluation process.
* The STEM Competition Team Grant Initiative application is due to the Virginia Department of Education, Office of STEM and Innovation on or before July 9, 2021. Email signed application to vdoe.stem@doe.virginia.gov.

## **PROGRAM SITE REQUIREMENTS**

* Must be located on a public school campus as a before or after-school program.
* Must provide appropriate insurance coverage.
* Must meet requirements to support all eligible activities that may include guest speakers, field trips, problem-driven projects, and a culmination/recognition program.
* Must provide required equipment and classroom/lab environment conducive for teamwork.
* Must provide applicable instructional resources and materials.

## **ELIGIBLE STUDENTS**

* Students who have expressed an interest in STEM-related disciplines are eligible to participate in the initiative.
* Students who have expressed an interest in a STEM-related course, careers and/or who have started a program of study related to the STEM sector are eligible to participate in the initiative.
* Each student participant and parent or guardian shall sign an assurance that the student agrees to follow the school’s Code of Conduct during the initiative and all related initiative activities.

## **STAFFING**

* One or more teachers/school administrators who have appropriate knowledge to support a student team for the applicable STEM competition.
* Other team members involved in the planning phase may include representatives from business and industry, postsecondary education, parent associations, student leadership organizations, local advisory committees, and community economics/workforce leaders.

## **ROLE OF CORE PLANNING AND IMPLEMENTATION TEAM**

The core implementation team shall be responsible for identifying an applicable STEM competition; preparing the school site; communicating with the Virginia Department of Education (VDOE) staff; preparing communication materials for parents; recruiting students, business and industry partners, and postsecondary education partners; obtaining insurance coverage; arranging any student transportation and meals; implementing and evaluating the entire STEM Competition Team Grant Initiative experience; and completing all required evaluation and financial reports to the VDOE.

## **EVALUATION AND NEXT STEPS**

An evaluation must be submitted by the core implementation team that will include activities and outcomes; and outline next steps for continued instruction, promotion, and recruitment to increase the number of students that participate in a STEM-related program.

## **TIMELINE**

July 9, 2021 STEM Competition Team Grant Application Due to VDOE

August 6, 2021 Send Grant Award Notifications to School Divisions

August 6, 2021-June 30, 2022 Prepare/Implement STEM Competition Team Initiative

August 30, 2021 Distribute Awarded Grant Funds to School Divisions

July 16, 2022 Final Closeout - Report on use of funding and evaluation report due to VDOE.

## **BUDGET EXPENDITURES AND REIMBURSEMENTS INFORMATION**

Upon submission and approval of the division’s eligible school STEM Competition Team Grant Initiative application packet, the school division will receive funds up to $5,000 for each school based on the submitted application. The school division’s state-funded allocation of up to $10,000 will be received by August 30, 2021, based on confirmation of the resources needed for planning and implementation of the STEM Competition Team Grant Initiative and revised budget (if applicable).

Allowable uses of the state-funded allocation include, but are not limited to:

* Instructional resources and materials (instructional software programs, DVDs, textbooks, workbooks, reference materials, program materials and supplies, etc.)
* Bus transportation (transportation costs for students to and from school site to STEM competition site)
* Meals (meal and snack costs for staff and students not to exceed state rates for breakfast, lunch, and two nutritional snacks)
* STEM equipment (equipment that is unique and required for the STEM Competition Team Grant Initiative) Note: Computers and 3D printers cannot be purchased with STEM Competition Team Grant Initiative state funds except where a specialized device is required.
* Staff salaries/wages/stipends not to exceed **10 percent** of the grant award amount.

All STEM Competition Team Grant Initiative funds must be expended by June 30, 2022.

The STEM Competition Team Grant Initiative financial expenditure report and documentation must be submitted to the Virginia Department of Education, Office of STEM and Innovation no later than Friday, July 16, 2022. Directions and forms will be provided with the notification letter. If you have any questions, please contact Dr. Brendon Albon by email at Brendon.Albon@doe.virginia.gov or by phone at (804) 786-2481.