



Student Application for **STEM Academy**

OVERVIEW

The curriculum in the STEM Academy will provide the foundational knowledge and advanced skills required for college success and future career opportunities in science, technology, engineering and mathematics. Students enrolled in this innovative and rigorous program will have access to advanced equipment and technology and interact on a regular basis with professionals from the scientific community.

All grade 9 students **currently** enrolled in Honors Geometry and/or Honors Algebra II & Honors Biology may apply for admissions. The following criteria will be used for the admission process:

1. Successful completion of Honors Geometry and/or Honors Algebra II prior to entering grade 10
2. Successful completion of Honors Biology prior to entering grade 10
3. Successful completion of Introduction to Engineering Design (IED) prior to entering grade 10
4. Completion of the Student Data Worksheet
5. Completion of the Student Essay
6. Copy of your most recent grade report (We can obtain this from Power School.)

Continued participation in the STEM Academy requires the student to complete the following coursework:

- 6 Math credits: (AP course and/or college course required)
- 5 Science credits: (Honors Chemistry, Honors Physics, AP course and/or college course required)
- Completion of the Capstone Project in the *Honors Research & Design - Capstone Course*

Completed applications, 2 pages and the essay, should be sent to your school counselor. Deadline for applications is February 14, 2018.

The Board of Education of Cecil County/Cecil County Public Schools, pursuant to the Individuals with Disabilities Education Act, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990, applicable state law and applicable implementing regulations of the aforementioned statutes, does not discriminate on the basis of race, color, sex, national origin, religion, disability, or sexual orientation with respect to access to programs. Inquiries related to the policies of the Board of Education of Cecil County should be directed to the Director of Public Information at 410-996-5474

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STUDENT DATA WORKSHEET

APPLICANT'S NAME (last, first, middle initial)

COMPLETE MAILING ADDRESS (number and street)

(city and state) _____ (zip code) _____

HOME PHONE NUMBER (_____) _____

OTHER PHONE NUMBER (_____) _____

PARENT(S)/GUARDIAN(S) FULL NAME(S)

PARENT'S EMAIL ADDRESS(ES) _____

STUDENT EMAIL ADDRESS _____

PROJECT LEAD THE WAY

Please indicate below if you are going to dual-complete the PLTW Biomedical (Perryville only) or

PLTW Pre-engineering (all 5 high schools). YES NO

EXTRA-CURRICULAR ACTIVITIES, including all STEM-related, academic, community and athletic activities: (For example: Destination Imagination (DI), Gains in Education in Mathematics & Sciences – (GEMS), STEM Nights, E-Cybermission, Robotics, etc.)

STUDENT ESSAY

Part of the application process is a student essay that explains why you are interested in participating in the STEM Academy. Type your response using 12-point Times New Roman font, single-spaced. Limit your response to one typed page. Your essay should address the following questions:

- **Why do you want to enter the (Science, Technology, Engineering and Mathematics) STEM Academy.**
- **What are you career goals? Why are you choosing this career?**
- **One of the biggest requirements of completing the STEM Academy is the capstone project. Keeping in mind your career goals, what do you think you would study, design, or investigate for your capstone project?**
- **What college/university are you interested in attending after graduation and why?**
- **What STEM activities have you been a part of that have influenced your decision to apply for the STEM Academy?**

I acknowledge that this writing sample is my own work.

Student's Signature / Date

STEM APPLICATION - PARENT PERMISSION FORM

I am excited about the opportunity for my child to be considered for the Science, Technology, Engineering and Mathematics Academy and give my permission for him/her to be included if recommended.

Parent/Guardian Signature and Date

Student's Last Name, First Name, Middle Initial

Student's Current School and Grade Level



Thank you for your interest in the STEM Academy!

Please take a moment to review your application package to ensure all the information below has been completed.

- Student Application**
- Student Writing Essay on a separate sheet**
- Parent Permission Form**