STUDENT APPLICATION for STEM ACADEMY

Overview
The STEM Academy is a rigorous program of study designed to prepare students for the academic demands and challenges they will face in college. The curriculum offered is designed to be fast-paced, interdisciplinary, and challenging. The opportunity to use professional laboratory equipment, engage in problem-solving activities, as well as develop time management, and study skills needed for success in college are the hallmarks of the STEM Academy.

Students will have the chance to work alongside a real-world engineer or scientist mentor during the grade 11 Honors Research and Design Capstone Course. The curriculum for the STEM Academy is a combination of prescribed courses with plenty of room for electives that gives our STEM Academy students a well-rounded education.

Requirements for Entrance into the STEM Academy
The student must have completed the following courses by the end of their freshman (grade 9) year in order to be eligible to apply for the STEM Academy.

- Honors Geometry or Honors Algebra II
- Honors Biology
- Introduction to Engineering Design (IED) or Computer Science Principles

Once accepted, entrance into the STEM Academy starts the first day of the student’s sophomore year (grade 10). All accepted students are invited to attend the STEM Academy Summer Camp. This year’s camp will be June 17-19, 2019. Brochures are available from the Guidance Office or online at https://www.ccps.org/domain/51. The completed STEM Academy Application should be returned to your school counselor. The Guidance Office will forward all applications to the Carver Center.


Thank you for your interest in the STEM Academy!

Please take a moment to review your application package to ensure all the documents below have been completed. School Counselors will be meeting with each student individually to plan their course schedule for the 20-21 school year. Be sure to take this completed application and essay with you to your meeting.

- Student Application
- Student Writing Essay on a separate sheet
- Parent Permission Form
STUDENT APPLICATION for STEM ACADEMY

APPLICANT’S NAME AND SCHOOL

LAST NAME   FIRST NAME   MI   SCHOOL

PARENT EMAIL ADDRESS   STUDENT EMAIL ADDRESS

TOP THREE CAREER GOALS

1. 
2. 
3. 

ARE YOU CURRENTLY ENROLLED IN OR PLANNING TO ENROLL IN ANY OF THE FOLLOWING?

☐ Project Lead the Way Pre-Engineering
☐ Project Lead the Way Biomedical
☐ Cecil County School of Technology

STUDENT ESSAY

The student essay is an important part of the STEM Academy Application process. This essay will give your teachers a better understanding of your academic challenges, your personal interests, and career goals. The essay should be typed using 12-point Times New Roman font and be single-spaced. Please limit your essay to one typed page. In your essay, please answer the following prompt:

“How will being in the STEM Academy assist you in reaching your college and career goals?”

Include in your essay

• Why are you interested in this type of career?
• How have you handled tough courses in the past?
• What would you like to research as part of your Capstone Project?

STEM APPLICATION - PARENT PERMISSION FORM

I understand that the STEM Academy is a rigorous and demanding program that requires 6-7 credits in Mathematics, 5-7 credits in Science, an Honors Capstone Project with attendance at the annual Gallery Walk. I give permission for my child to participate in the STEM Academy. The complete STEM Academy Pathway requirements can be found on page 22 of the Student Education Planning Guide 2019 – 2020.

Student Signature   Date

Parent/Guardian Printed Name: ________________________________

Parent/Guardian Signature   Date:

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