Computer Science and Innovation Camp

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The Computer Science and Innovation Camp is supported by Northrop Grumman and the BCPS Office of Career and Technology Education. Funding is provided for the program through student tuition. Taught by two highly qualified BCPS high school teachers, this Summer Camp provides an outstanding opportunity for students around Maryland. Throughout the two week program, students will have opportunities to work independently and collaboratively to learn new ways to be creative through computer programming. Using the medium of computer languages, participants will become the architects of their own virtual worlds. Students will create animations using visual objects and straightforward commands that make programming easier to understand.

Students will exercise their creativity, problem solving, and critical thinking skills while designing a final project to present at the conclusion of the session. The skills they develop provide a useful foundation for learning more advanced programming in languages such as SCRATCH, Java, C++, and/or Python. Students will also learn valuable processes essential to programming. These include everything from the software development cycle to "CamelCase". The program will also emphasize critical executive function skills such as project management, collaboration, and communication. We are also hoping to incorporate 3D printers and robotics into the program.

WHO: All Maryland students entering grades 3rd through 8th

WHERE: Essex Campus of CCBC, Rosedale, MD

WHEN: Plans are currently being finalized to hold the camp during July 8-19th. 9am-3pm

COST: Tuition for this year's summer center is expected to be $275 for the two week session. Several financial scholarships will be available for qualifying applicants. (Transportation and lunches will not be provided.)

APPLICATION LINK: *https://docs.google.com/forms/d/e/1FAIpQLScHECRfsr-nGknmsVpyhJ_Y9naLQAncHMb_2uKMZ5BXsE-i1A/viewform?usp=sf_link*

** Application to camp does not guarantee acceptance! We have a very competitive program so a selection committee will score the applications blindly in order to select the applicants. Please do NOT send any tuition until further contacted. Thanks!
APPLICATION WINDOW CLOSES ON APRIL 8TH