

## BCPS Magnet Programs High School Programs

### Mathematics, Science, and Computer Science

This program provides opportunities for advanced learning and interdisciplinary study at accelerated levels in the unique application of mathematics to computer science. Students select a pathway specializing in:

- Computer Science**
- Interactive Media Design**
- Informational Technology - Networking & Cyber Security**
- Project Lead The Way (PLTW) Engineering**

Through classroom instruction and access to these special programs, students apply their developing skills to software development, computer graphics, robotics, digital electronics, object oriented programming (computer game design) and 3-D CADD (Computer Aided Drafting and Design).

Students are encouraged to take Gifted and Talented and Advanced Placement classes and are prepared to enter college in any field that matches their interest, with specific concentration on the computer sciences. *Students applying to Grade 10 are expected to have completed or to be enrolled in Algebra II or Geometry.*



*-available at Parkville High School Center for  
Mathematics, Science, and Computer Science (PHS)*

#### Program of Study

Grade 9	Grade 10	Grade 11	Grade 12	Electives
Geometry Chemistry	Biology Programming (C++)	Physics AP Calculus AB	Magnet Electives	Computer Science I Algebra II Statistics/Functions Full Year Pre-Calculus Pre-Calculus Intro. to Calculus AP Calculus BC Calculus Review

#### **Parkville High School Center for Mathematics, Science, and Computer Science**

2600 Putty Hill Avenue  
Baltimore, Maryland 21234  
443-809-5438

Applications are accepted for Grade 9 and Grade 10  
Transportation is provided for students who are zoned for the Northeast and Southeast areas, as well as those who are zoned to attend Loch Raven High School.