



# CLIFTON HIGH SCHOOL CAREER ACADEMY COMPUTER SCIENCE CONCENTRATION

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## Description and General Information

The Computer Science Concentration is designed for students interested in the field of computer science and the intricacies of programming. It is designed to give students a solid base in both theoretical and practical topics in computer science, computer engineering, and mathematics while leaving flexibility for scheduling other courses of interest. The study of Computer Science prepares students to deal with using and improving computers as tools for numerous applications. Students who complete the academy will have completed two Computer Science AP courses along with other preceding coursework. If you continue with Computer Science coursework in college, graduates are able to move into high-tech careers as software engineers, systems analysts, technical writers, web developers, researchers, programmers, and software testers. They may also apply their computer skills to enhance careers as biologists, architects, teachers, and psychologists.

## Course Schedule

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English I	English II	English III	English IV
World History	US History I	US History II	Web Design
Physical Education	Physical Education	Physical Education	Physical Education
World Language I	World Language II	Computer Science Principles AP	Elective
Lunch	Lunch	Lunch	Lunch
Algebra I	Geometry	Algebra II	Math or elective
Biology	Chemistry	Physics	Graphic Design
Personal Finance	Computer Science I	Computer Science II	Computer Science AP

## Associated extra-curricular clubs

Maker Space 3D Club  
STEM Club  
Robotics Club

## Application

Applicants must have all prepared documents and application submitted by the application deadline in order to be considered for acceptance into the program for the following school year.

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