

AP Computer Science Principles

Grade Levels: 10th - 12th

Prerequisites: Computer Science 1-2

Course Numbers: 0327APP1 0327APP2

Course Description: AP Principles with Python is a more modern course than APCSA Java. The goal of this class is to increase participation by young women and historically underrepresented students.

We introduce you to the foundational concepts of computer science. Lessons include how CS transforms the world we live in. Students will feel confident showing up and doing their best at the official test in May.

We use the online portal CodeHS and their proven practice lessons and interactive code editor. After the AP test early in May students are given a lot of time for digital design and art creation. Computer Science is a career that pays very well, remains in high demand, and allows a lot of career choices. Every industry in the world needs people to write apps and web pages.

Student Workload: No homework. All AP work is done in class!

This class works well with other AP classes. We have a quiet, state of the art computer lab. Students have access to a practice midterm, practice final exam, and practice FRQ essay questions. Students who enjoy puzzles and problem solving tend to love this class. There is some group work but this class is graded on individual work.

Web links with a gallery of student games and career information:

<http://www.digitalfhs.com>

Credit Type: CTE/Elective