

Roslyn High School

AP Computer Science Principles

AP® Computer Science Principles is a full year, rigorous, entry level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing.

We will take the role of thinking like computer scientists, working in teams to express our thoughts and opinions while collaborating to build projects and solve everyday problems using innovative solutions. We'll be completing projects using JavaScript to make apps, solve challenges and puzzles around encoding, transmit data using an internet simulator, design protocols to mimic how the internet works and explore how data is collected, analyzed and used to tell a story.

AP Exam:

The course contains 2 AP Performance Task (PT) projects. The performance task submission deadline is the end of April, and the written AP Exam is May 11, 2018.

Digital Resources:

- Code.org
- CodeHS.com
- AP Central
- Albert.IO

Grading Policy:

Grading is based on a point system comprised of tests, quizzes, project, homework and cooperation.

Course Requirements:

- Cooperation – You will be working with others – now and in the real world
- Maintain Code.org and CodeHS.com accounts and keep up to date on all assignments
- Current Event Friday – first Friday of each month
- Tests may include information from handouts, notes, homework, current events, or videos

Code Club:

Meeting Wednesday afternoons

Extra Help:

- Monday & Thursday 2:40pm-3:10pm room 142
- Wednesday morning 7:30am – 8:00am room 142