AP Computer Science A

Course Description:

APCSA is a rigorous college-level computer science course focused on the study of the Java programming language. Students will write, analyze, test and debug Java code. Topics covered include primitive data types, coding objects, Boolean expressions, if statements, iteration, writing classes, arrays, ArrayList, 2D arrays, inheritance and recursion. Students will also prepare for the College Board exam which consists of four free-response computer programming questions and a multiple-choice exam.

Academic Suitability:

It is strongly suggested to take APCS Principles or CS Principles as a prerequisite to APCS A. This is a fun but challenging course. If you are interested in learning how to program in Java this is the course for you.

Out of Class Commitment:

This course is a deep dive into the Java programming language and preparation for the APCS A exam. Students will prepare for the College Board APCS A exam through course activities even if they choose not to take the exam Students should expect to spend 5-8 hours per week outside of class working on this course.

Summer Suggested Preparation:

Go to course.csawesome.org and create an account - join our CS Awesome supplemental interactive workbook by using the course code: GOCAPCSA2021.Complete Unit 1 over the summer.

School Issued Text Name:

Introduction to Java Programming AP Edition by Y. Daniel Liang

Additional Resources:

- Barron's AP Computer Science A