

AP Computer Science A Parent Guide

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

1st 6 Weeks: Computer Science/ Programming Fundamentals/ Java Basics Objects, Methods and Classes Strings Boolean Logic and Conditionals	4 th 6 Weeks: Arrays and Matrix Processing Extending Classes
2 nd 6 Weeks: Boolean Logic and Loops Designing and Writing Classes Arrays and Processing	5th 6 Weeks: Recursion, Searching and Sorting Exam Review and Practice
3rd 6 Weeks: Arrays and Processing Lists and List Processing Array List	6 th 6 Weeks: AP Practice Exams AP Computer Science A Exam

Questions? Please contact your course computer science teacher.