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

4th 6 Weeks:
Arrays and Matrix Processing
Extending Classes

2nd 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

6th 6 Weeks:
AP Practice Exams
AP Computer Science A Exam

Questions? Please contact your course computer science teacher.