**Computer Science Principles**

**Contact Information**

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**Introduction**

This class introduces computer science as a rigorous area of study. Serving as a preparatory course to AP CS A, students will cover such topics as variables, classes, logic and conditional statements, looping and iteration, and arrays, as implemented in the Java programming language. Students will be graded via class participation, individual and group projects, and unit exams.

**Course Outline**

1. Introduction and Preassessments
2. Computer Fundamentals
3. The Java Programming Language
4. Variables and Data Types
5. Boolean Algebra and Conditional Logic
6. Objects, Classes, and Data Structures
7. Iteration and Arrays
8. Cumulative Project
9. Course Review and Postassessments

**Grading**

Projects: 50%

Unit Exams: 30%

Participation: 20%

**Classroom Expectations**

What do *you* expect from the classroom? Your peers? Yourself?