

DEPARTMENT: MATHEMATICS
NAME OF COURSE: AP COMPUTER SCIENCE A
GENERAL DESCRIPTION:

(Prerequisite: Introduction to JAVA) This course is comparable to that of a first-year course offered in college and university computer science departments and is intended to serve both as an introductory course for computer science majors and as a substantial service course for students who will major in other disciplines that require significant involvement with computing. A primary objective is to learn how to write logically structured, well-documented computer programs using JAVA as the programming language. The major emphasis is on programming methodology, algorithms, and data structures. This course is offered in alternate years. Students must take an AP examination in May

TEXTBOOK: AP Java , Skylight publishing

REQUIREMENTS:

Students are expected to maintain a set of well-organized notes, complete daily homework assignments, and read selections from texts as assigned. Regular attendance is expected, and students are to make up work missed due to absences. Students should seek extra help during the school day in the mathematics study center or after school with the teacher when necessary. Appropriate behavior, respect for self and others, and participation in classroom activities are expected.

GRADING PROCEDURES:

The grade for each of the four marking periods is determined by unit exams, projects, quizzes, and timely completion of homework assignments. A departmental midyear exam comprises one-fifth of the second quarter grade. The student's final average will be determined by averaging the four quarter grades and the Final grade equally.