

DEPARTMENT: MATHEMATICS

NAME OF COURSE: Algebra A 2

GENERAL DESCRIPTION:

Algebra A2 is the second of a two year extended course of study of the New York State Integrated Algebra curriculum. It introduces the student to the fundamentals of algebra. The course integrates algebra and geometry, and includes additional topics in probability, statistics, and logic. Students will be introduced to the graphing calculator and will work with it in class during lessons appropriate to its use. In addition to the development of skills necessary for the students' progression to higher level courses in this subject area, we seek to cultivate a sense of appreciation of mathematics for its aesthetic value.

MAJOR TOPICS COVERED:

Among the topics covered during the year will be geometry; graphing linear systems of equations; coordinate geometry; solving linear equations and inequalities; linear-quadratic systems of equations; transformations; special quadrilaterals; perimeter, volume, area, and volume; and right triangle trigonometry.

TEXTBOOKS: Integrated Algebra 1 Amsco School Publications

REQUIREMENTS:

Students are expected to maintain a set of well organized notes in a mathematics notebook, 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, quizzes, and timely completion of homework assignments. Students will take a Regents Examination in Integrated Algebra in June. The student's final average will be determined by averaging the four quarter grades and the Regents grade equally.