

ROSLYN HIGH SCHOOL

DEPARTMENT: MATHEMATICS

NAME OF COURSE: GEOMETRY

GENERAL DESCRIPTION:

Geometry is a one year course which introduces the student to the fundamentals of plane and solid geometric figures. Among the units of study covered during the year will be congruent and similar triangles, formal and informal proofs, transformational geometry, solid geometry, circles, locus and coordinate geometry, and linear-quadratic systems of equations.

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. This course concludes with the Common Core Geometry Regents Examination.

MAJOR TOPICS COVERED:

The units of study can be seen at the website:

<http://www.emsc.nysed.gov/ciai/mst/mathstandards/geometry.htm>.

<http://www.engageny.org>

TEXTBOOKS: Geometry by Holt

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 the Geometry Regents Examination in June. Extra credit options are given at the discretion of the teacher. The student's final average will be determined by averaging the four quarter grades and the Regents grade equally.