

HHS MATH DEPARTMENT

COURSE: Honors Geometry I/II

1024/1025 (NCAA)

RIGOR: Accelerated
(Above grade level)

Average
(On grade level)

Essentials
(Core concepts)

Pre-requisites: "B-" or Honors Algebra (8th grade)

Course Description: Students in Honors Geometry need a strong Algebra background. Logical reasoning will be developed throughout the course. A rigorous study of triangles, quadrilaterals, and other polygons incorporates the use of proofs and justifications. Computer software will be used to discover, enhance and reinforce these geometric concepts.

Course Syllabus: Basics of Geometry, Reasoning and Proofs, Parallel and Perpendicular Lines, Transformations, Congruent Triangles, Relationships Within Triangles, Quadrilaterals and Other Polygons, Similarity, Right Triangles and Trigonometry, Circles, Circumference, Area and Volume.

Minnesota Standards to be Mastered:

<http://education.state.mn.us/MDE/dse/stds/Math/>

Expected Homework: Daily Assignments are due the next class period.

Late Work Policies: Late assignments will only be accepted for partial credit until the end of the chapter.

Grade Includes:

- Daily Assignments
- Projects
- Quizzes
- Tests