

# HHS MATH DEPARTMENT

**COURSE: Geometry Essentials I/II**

**1020/1021**

**RIGOR: Accelerated**  
(Above grade level)

**Average**  
(On grade level)

**Essentials**  
(Core concepts)

**Pre-requisites: Algebra 1 Essentials**

**Course Description:** Concepts of geometric figures such as lines, angles, triangles, circles, quadrilaterals, prisms and pyramids including perimeter, area, and volume formulas will be stressed. Students will also be introduced to the concept of a geometric proof and review of equation solving from algebra.

**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:** All homework must be completed by test day.

**Grade Includes:**

- **Daily Assignments**
- **Projects**
- **Quizzes**
- **Tests**