

**COURSE TITLE:** Geometry Honors

Level of Difficulty	Estimated Homework	Prerequisites
Difficult	30-60 minutes	<b>District:</b> A or B in Algebra 1H <b>Department Suggestion:</b> A in Algebra 1 CP (both subterms)

**Course Description:**

Geometry Honors is the second course in the honors sequence offered at NPHS. The course covers transformations, matrices, reasoning and proofs, line relationships, angle relationships and measure, properties of triangles and other polygons, congruence and similarity, trigonometry and practical applications, properties of circles, the unit circle, surface area and volume, combinatorics and probability, and geometric constructions.

**Grading:**

Tests/Quizzes/Final: 85%  
Homework/Classwork: 15%

**Syllabus:**

Check individual teacher website

**Supplemental Information:**

Students are encouraged to review the following Algebra 1 concepts and skills prior to starting this course.

- Solve multi-step linear equations
- Graph linear equations
- Solve system of linear equations by substitution and elimination
- Simplify, add, subtract, multiply, divide radicals; rationalize the denominator
- Factor trinomials and difference of 2 squares
- Solve quadratic equations by factoring and by using the quadratic formula

UC Subject Area "c"