Barbourville Independent Schools

HS Geometry Course Syllabus

Course Description:

Welcome to Geometry! In this course, we will explore and interpret real-world problems as well as patterns and their representations. This course includes logical analysis as well as properties of geometric shapes. The goal of Geometry is to allow you to explore one, two, and three dimensional figures through visualizations, constructions, measurements, and proofs.

Throuhout Geometry, we will build a mathematical foundation that will make connections among mathematical concepts, across disciplines, and in everyday experiences. The course will help prepare you both for your future mathematics courses and your future careers. If you bring to class your curiosity and willingness to work hard, then I promise this mathematical journey will reward all you put into it!

Course Content:

* Congruence, Proof, and Constructions
* Similarity, Proof, and Trigonometry
* Extending to Three Dimensions
* Connecting Algebra and Geometry through Coordinates
* Circles with and without Coordinates
* Applications of Probability

Text:

Holt McDougal (2009)

Student textbooks can also be accessed from any computer at [www.classzone.com](http://www.classzone.com)

(see teacher for access code)

Grade Distribution:

Homework/Daily Assignments 20%

Quiz/Projects 30%

Unit Test 50%