**Geometry**

Mrs. Sciarrino Room GW 11

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Geometry is a full year course in which students must have passed the Algebra regents to take.

Geometry students are expected to:

* Read mathematical problems actively and critically.
* Write effective solutions to problems and projects
* Present solutions to problems effectively
* Use a variety of appropriate resources including the computer and calculator to solve mathematical problems
* Employ multiple critical and creative thinking strategies in reasoning and problem solving
* Demonstrate a knowledge and appreciation of how mathematics can be used outside the mathematics classroom

Topics Include:

* Graphing
* Using formulas to solve problems
* Connecting properties of geometry to real world problems
* Writing linear equations
* Completing various types of geometric proofs
* Apply logic to thinking processes
* Completing constructions using a compass and ruler
* Applying properties of transformations to shapes in the coordinate plane
* Calculating the volume, surface area, and lateral area of various geometric shapes

**You are expected to bring the following materials to class every day:**

* Your course notebook that we are working on for that unit
* Something to write with (preferably a pencil)

**General Classroom Behavior**

* You are expected to respect and value yourself, your school environment and the diversity of the NHS community.
* You are expected to contribute to classes and work cooperatively whenever the situation requires.
* You are expected to come to class prepared and you are responsible for all missing work
* Bullying of any kind is not permitted in this classroom
* You are expected to use pencil and show work for all mathematics on homework, class work, projects, tests and quizzes
* You are expected not to talk while I am speaking or interrupt while other people are speaking.
* The bell does not dismiss the class.

**Quarter Grading Policy**

Your grade consists of tests, quizzes, and class work.

**Tests will account for 50% of your grade, Quizzes for 20%, Homework for 20%, and Classwork for 10%.**

**Make-up Work**

If you miss a test, a quiz, project or a significant class work assignment for any reason, you are expected to make it up. **Incomplete work, for any reason, will count as a 0.**  Quizzes and tests may be made up, before school, after school or during study periods. I will be after school on Monday, Wednesday, and Thursday every day.