

# 2007/2008 Geometry Syllabus

Mr. Nazeck

**Text:** The Elements, Euclid  
A Course in Geometry, Weeks and Adkins

**Aim:** The purpose of this course is to introduce students to the fundamentals of plane and solid geometry. Desirable in its own right, this foundation is also essential for the study of higher mathematics and exceedingly helpful in everyday life.

**Materials:**

3-Ring Binder	Protractor
Graph Paper	Compass
1-Subject notebook for math journal	Ruler
Pencils and erasers ( <i>no work is to be done in pen</i> )	Colored pencils

## Expectations:

- Each student will be required to keep a journal of theorems and definitions needed to work proofs. It will be checked at various intervals for completeness and organization.
- Daily assignments will be due at the beginning of the following class. Approximately 20 minutes of homework may be expected nightly.
- A test will be given at the end of each unit following a day of review.
- Each student should contribute meaningfully to class discussions and presentations.
- Each student will be expected to demonstrate proofs in front of the class on occasion.
- A final, cumulative 'Basic Skills' Test must be passed by the end of the year in order to advance to Algebra II. More than one opportunity will be given to take this test.

## Grading:

It is not the aim of this course to invest the students only with formulas and processes. A mastery of the concepts involved is much more valuable and lasting. Consequently, students will be graded not only on their ability to produce correct answers, but also on their overall comprehension of the problem, its solution, and its significance.

Math Journal	10%	Assignments	40%
Participation	10%	Tests	40%

## Schedule of Topics:

First Semester: Book I of the <u>Elements</u>	Second Semester: Moving On
The Method of Geometry	Similarity
Essential Properties of Basic Plane Figures	Properties of Circles
Proof	Solid Geometry
Right Triangles & Measurement	Non-Euclidean Geometry

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A copy of this syllabus can be found on the RCS website: [www.ridgeviewclassical.edu](http://www.ridgeviewclassical.edu)

**Parents, please sign:** I have read and understand this syllabus. \_\_\_\_\_