

CENTRAL HIGH SCHOOL

**FORMAL GEOMETRY**

MR. JOE HANEY

**COURSE SYLLABUS**

**Course Description:**

This course includes the study of parallel lines, congruence, similarity, area and volume, right triangle trigonometry and coordinate geometry. In addition, formal geometric proof is emphasized and algebra, including solving linear systems and quadratic equations, is integrated throughout the course. Formal Geometry meets college entrance requirements for geometry.

**Required Class Materials:** Notebook or loose-leaf paper, pencils, scientific calculator, protractor, compass, ruler, binder

**Text:** Geometry 2<sup>nd</sup> Edition (Carnegie Learning)

**Course Outline:**

- 1) Tools of Geometry
- 2) Parallel and Perpendicular Lines
- 3) Perimeter and Area
- 4) Right Triangle Geometry
- 5) Similarity
- 6) Congruence
- 7) Right Triangle Trigonometry
- 8) Quadrilaterals
- 9) Geometry in the Coordinate Plane
- 10) Transformations
- 11) Circles
- 12) Volume and Surface Area
- 13) Extensions in Area and Volume
- 14) Vectors

## **Classroom Expectations:**

- Be respectful
  - To your peers and the teacher and respect will be returned
- Be prepared
  - Come to class with the materials listed above and ready to learn
- Be prompt
  - Come to class on time. I expect you to be in your seat when the bell rings.
  - Tardies will not be tolerated and will be dealt with the same as any other discipline problem (see below)
- Be responsible
  - Bring your completed assignment to class
  - Take responsibility for your own learning – if you are lost or behind come see me for help, that is what I am here for
- Participate
  - Take an active appropriate role in class

\*\*Participation 5%, Homework 15%, Quizzes, 20%, Online Work 25%, Tests 35%

## **Grading and Makeup Policies:**

1. Daily notes should be kept in a notebook for math only.
2. There is an assignment due every day which you are expected to have completed. These will be graded based on completeness or for points.
3. Unless otherwise stated there will be a chance to ask questions everyday before your assignment is turned in.
4. Late work WILL be accepted but at a reduced value of 75% of what you would have earned.
5. If you are absent it is your responsibility to get the assignment for the day(s) you missed either from me or the office and be prepared for the next class period.
6. You are responsible for tests, quizzes or assignments the day of the absence. See Mr. Haney if you have any questions.
7. If you are unexcused there will be **NO** chance to make up missed work.

**Instructor Contact:** I am available before school everyday around 7:45am. My email address is [jhaney@cusd4.org](mailto:jhaney@cusd4.org) and can be reached by phone at 815-694-2321.