

COURSE SYLLABUS AND OUTLINE: GEOMETRY

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Course Description:

We will use a cohesive approach in this course to connect the study of algebra to geometric relationships and proofs. We will begin by exploring transformations including rotations, reflections, translations, and dilations, then using appropriate theorems to determine congruency and similarity of triangles and quadrilaterals; coordinate geometry will be used to establish and verify geometric relationships. Properties of triangles, quadrilaterals, and circles will receive particular attention, and we will end with exploring topics in trigonometry extending to three-dimensional geometry.

Course Materials:

- 1- Notebook
- 2- Loose leaf paper
- 3- Folder with pockets
- 4- Pencils and pens
- 5- Compass and ruler

Outline:

- Transformations and Rigid Motions
- Proofs
- Coordinate Geometry
- Circles
- 3D Figures
- Regents Prep

Expectations:

- 1- Come to class ON TIME and prepared to work
- 2- Sit in your assigned seat everyday
- 3- Be RESPECTFUL of yourself, your peers, and myself in your words and actions
- 4- Stay ON TASK
- 5- Look ALIVE!

Grading Policy:

Class Work.....35%
Exams/Projects.....30%
Daily "Do Now".....20%
Homework.....15%