

Southern Regional High School

Manahawkin, New Jersey

Course Syllabus

Department: Math

Course: Geometry

Marking Period 1

Topics/Units to be covered:

- Classroom Expectations/Grading
- Chapter 0 - Geometric Art - taught with a project
- Chapter 1 - Introducing Geometry - mostly definitions and symbols
- Chapter 2 - Reasoning in Geometry - deductive & inductive reasoning, angle relationships
- (Algebra Reviews throughout marking period)
- Quarterly

Marking Period 2

Topics/Units to be covered:

- Chapter 3 - Using tools in Geometry - constructions by hand as well as with geo sketchpad
- Chapter 4 - Discovering and Proving Triangle Properties - triangles and proofs
- Chapter 5 - Discovering and Proving Polygon Properties - sum conjecture, exterior angles, midsegments, quadrilaterals
- (Algebra Reviews throughout marking period)
- (Project to review concepts from marking period 1 & 2)
- Quarterly

Marking Period 3

Topics/Units to be covered:

- Chapter 6 - Discovering and Proving Circle Properties - chords, tangents, arcs & angles, Pi, arc length
- Chapter 7 - Transformations and Tessellations - taught with a project
- Chapter 9 - The Pythagorean Theorem - special right triangles, basic trig
- Quarterly

Marking Period 4

Topics/Units to be covered:

- Chapter 8 – Area
- Chapter 10 - Volume
- (Project with Area & Volume)
- Chapter 11 - Similarity
- Final exam