



Course Title:
Teacher:
School Phone:
Email:
Planning/Conf. Times:

Geometry
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After school except Tuesdays

I. Course Description and Instructional Goals:

Geometry is the mathematical study of shapes, their properties, and their relationships. The course competencies are presented as a one-semester block course that meets the state Geometry standards. Emphasis is placed on student discovery and exploration and on formulating and defending conjectures. Geometry includes an in-depth study of reasoning, polygons, congruence, similarity, right triangles, circles, area, volume, and transformations. Students will use a variety of approaches, such as coordinate, transformational, and axiomatic systems. They will also develop an appreciation for the connections between Geometry and other disciplines such as art and architecture. Additional topics will be explored.

II. Instructional Model

Daily Warm-Ups

Daily computation and skills practice that may include:

- warm-up problems
- problems from previous day's work
- lead-in problem for current lesson
- homework answer check

Teacher-Directed Instruction

Standards-driven

- direct instruction
- modeling
- discussion
- activities

Explorations

Mathematics applications that may include:

- collaborative problem solving
- explaining mathematical reasoning
- communicating about mathematics
- connecting mathematical relationships across disciplines
- performance assessments based on real-world data
- use of manipulatives, technology, and math tools
- reflections through journal writings.

III. *Materials/Textbooks/Technology*

- South Carolina Mathematics Curriculum for Geometry
- Geometry – Holt McDougall Larson
- Manipulatives and math tools
- Graphing Calculators
- Computers with mathematics software and Internet access
 - Geometer's Sketchpad
- Teacher-Selected Supplementary Activities

IV. *Assessments May Include*

- Diagnostic Tests
- Performance-based Tasks
- Projects
 - Presentations
 - Observations
 - Interviews
- Conferences
- Journal Entries
- Portfolios
- Homework
- Quizzes
- Chapter, Unit, Cumulative, or Comprehensive Tests
- Standardized Tests

V. *South Carolina Grading Scale*

100 – 90	A
89 – 80	B
79 – 70	C
69 – 60	D
59 – 0	F

VI. *Grading Policy*

- Tests 40%
- Quizzes 35%
- Practice 25%

VII. *Homework Policy*

VIII. *Classroom Requirements*

- Textbook and/or Workbook
- 3 Ring Binder with dividers
- Pencils
- Calculator (Graphing)
- Graphing Paper Ruler

IX. *Additional Assistance*