

Geometry with Statistics

Teacher: Robert Stone

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Extra Help: [Tues/Thursday 7:45-8:45](#)

Course Description:

In GS, students incorporate knowledge and skills from several mathematics content areas, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study. The focus in GS is concentrated within the strands of Data, Probability, and Statistical Reasoning (DPSR); Measurement, Geometry, and Spatial Reasoning (MGSR); Numerical Reasoning (NR); and Patterns, Algebra, and Functional Reasoning (PAFR). In the content area of Geometry and Measurement, students build on and deepen prior understanding of transformations, congruence, similarity, and coordinate geometry concepts. Informal explorations of transformations provide a foundation for more formal considerations of congruence and similarity, including development of criteria for triangle congruence and similarity. An emphasis on reasoning throughout the content area promotes exploration, conjecture testing, and informal and formal justification. In the content area of Algebra and Functions, students perform algebraic calculations with specific application to geometry that build on foundations of algebra from seventh and eighth grades. Probability is important because it educates one in the logic of uncertainty and randomness, which occur in almost every aspect of daily life. Therefore, studying probability structures will enhance students' ability to organize information and improve decision making.

Student Learning Outcomes:

[Learning Objectives Detailed](#)

Course Outline

[Course Outline Detailed](#)

Annotated Book List:

No Book.

Required Materials:

1. Calculator
2. Pen/Pencil
3. Notebook
4. Paper

Class Expectations:

1. Be on time.
2. Put bookbags at the front of the classroom with devices put away
3. No Talking while the teacher is teaching
4. Be respectful

Course Policies:

Grading Practices

- Quarter grades: Test 60%, Quiz: 30% Daily grades: 10%
 - Final grade Q1: 45% Q2:45% E:10%
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Late Work Policy

- Work will be taken late with a penalty of 10 points per day.

Retake Policy

- There are no retakes on tests or quizzes

Makeup Work Policy

- Work needs to be made up within 5 days or being absent. It is your responsibility to ask for the make up work you have missed. After 5 days the 0 will remain in the grade book.

[Link to Daily Lesson Plans \(optional\)](#)