



**Dutch Fork Middle School**  
**Geometry w/ Statistics Honors (8) Course Syllabus**  
<https://dfms.lexrich5.org/>



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**Course Description:**

Geometry with Statistics builds on students' experiences from the middle grades, enhancing their reasoning and sensemaking skills while demonstrating the applicability of mathematics. This course prepares students for further studies in algebra and real-world applications by focusing on measurement, spatial, numerical, and statistical reasoning. Students will utilize inductive reasoning of patterns and relationships to develop deductive reasoning skills. In Geometry with Statistics, students will deepen their understanding of transformations, congruence, similarity, and coordinate geometry concepts. They will also explore statistical concepts in data analysis, providing them with tools to describe, display, and summarize data from the world around them. The emphasis on reasoning throughout the course encourages exploration, conjecture testing, and both informal and formal justification. This college preparatory course is based on the SC College and Career Ready Standards for Mathematics for Geometry with Statistics, preparing students for further mathematics education and helping them develop a better understanding of the world around them. Upon successful completion of the course, students will receive a Carnegie unit which will be included in both grade point average and class rank on their high school transcript.

**Standards and Success Criteria**

**Materials**

- Fully Charged Chromebook
- Earbuds or headphones
- Notebook or Binder
- Pencils
- Calculator: [Desmos-Scientific](#)

## Grading

<b>Quarter 1</b>	<b>Major:</b> Tests/Projects 50% (2-4 assignments per quarter)  <b>Minor:</b> Quizzes 30% (4-8 assignments per quarter)  <b>Practice:</b> Homework/Classwork 20% (10-20 assignments per quarter)	<b>Semester 1</b> Q1 40% Q2 40% Midterm Exam 20%	<b>Y1</b> Semester 1 50% Semester 2 50%
<b>Quarter 2</b>			
<b>Quarter 3</b>		<b>Semester 2</b> Q3 40% Q4 40% Final Exam 20%	
<b>Quarter 4</b>			

Grades will be updated regularly. Students and parents are invited to monitor student progress through [Powerschool/Parent Portal](#). Please make sure all contact information is correct.

## Academic Integrity

Academic integrity is important for all students at DFMS. Please review the DFMS Cheating and Plagiarism policy found in the [Student/Parent Handbook](#).

## Make-Up Work

Make-up work is to be completed as soon as possible. Please ask for your make up work the first day you return to school after an absence. If you are aware of an upcoming absence, please let your teacher know. In accordance with the [Student/Parent Handbook](#), students have the amount of days that they are absent to turn in make-up work.

## Resources: *enVision Mathematics*

Online access is available through students' accounts via classlink

**Hard copies of textbooks are available by request only.**  
**Parents/Guardians must contact the teacher if they would like to receive a physical textbook.**



Approved supplementary materials may be used throughout the year as needed.

## Geometry with Statistics Content Overview

1st Nine Weeks	2nd Nine Weeks	3rd Nine Weeks	4th Nine Weeks
<b>Topic 0:</b> Prerequisites <b>Topic 1:</b> Foundations of Geometry <b>Topic 2:</b> Parallel and Perpendicular Lines <b>Topic 3:</b> Transformations	<b>Topic 4:</b> Triangle Congruence <b>Topic 5:</b> Relationships in Triangles <b>Topic 6:</b> Quadrilaterals and Other Polygons	<b>Topic 7:</b> Similarity <b>Topic 8:</b> Right Triangles and Trigonometry <b>Topic 9:</b> Coordinate Geometry	<b>Topic 10:</b> Circles <b>Topic 11:</b> Two- and Three-Dimensional Models <b>*Topic 12:</b> Probability

**\*\*Pacing is subject to change based on the needs of the students.**

**Please verify your receipt and understanding of the Geometry w/ Statistics Honors syllabus by completing the appropriate google form below:**

**[STUDENT Syllabus Verification](#)**

**[PARENT Syllabus Verification](#)**