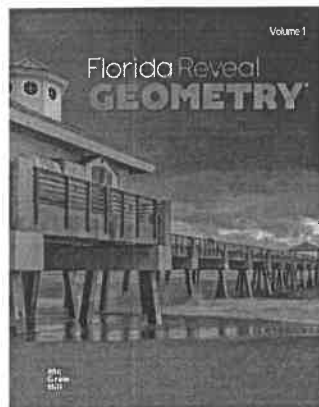


Geometry Course Description - Ms. Stephanides

Geometry Mathematics Course Description

Textbook: Florida Reveal Geometry – McGraw Hill



The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Standards for Mathematical Practice apply throughout the course and together with the content standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. The critical areas, organized into five units are as follows.

In Geometry, instructional time will emphasize five areas:

- (1) proving and applying relationships and theorems involving two-dimensional figures using Euclidean geometry and coordinate geometry
- (2) establishing congruence and similarity using criteria from Euclidean geometry and using rigid transformations
- (3) extending knowledge of geometric measurement to two-dimensional figures and three-dimensional figures
- (4) creating and applying equations of circles in the coordinate plane and
- (5) developing an understanding of right triangle trigonometry

Geometry Overview of the Focus Units of Study

SEMESTER 1

- *Geometric Reasoning
- *Angles and Geometric Figures
- *Logic and Proofs/Line Relationships
- *Transformations and Symmetry
- *Triangles and Congruence
- *Relationships in Triangles

SEMESTER 2

- * Quadrilaterals
- * Similarity
- * Right Triangles and Trigonometry
- * Circles
- * Geometric Measurement
- * Constructions/Segment Relationships in Triangles

Grading Categories - Geometry

Assessment of Knowledge 80% (Graded Homework, Classwork, Assessments, Projects, Activities)
Employability 20% (Attendance, Punctuality, Behavior, Dress Code, Homework)

Students will also take the State Geometry End-of-Course Exam – ***a student must take the FAST (Florida Assessment of Student Thinking) B.E.S.T EOC (which is 30% of their grade) and pass the course in order to earn high school credit for the course and meet graduation requirements.***

The final Geometry Grade is determined based on the two semester grades, the district midterm, which is part of the first semester grade, and the FAST EOC grade which is worth 30% of the overall grade.

First Semester, which is Quarter 1 and 2 are each worth 40% with the midterm worth 20%.
Second Semester, which is Quarter 3 and 4 are each worth 50%. The FAST End of Course Exam (EOC), which is worth 30%, is then calculated to determine your final grade for the course.
Therefore, the final Geometry grade is based on Semester 1 which is 35%, Semester 2 which is 35%, and the 30% for the EOC.

Student performance will be evaluated and reported based upon **mastery of standards.**

A	Superior progress	90-100
B	Commendable progress	80-89
C	Average progress	70-79
D	Lowest acceptable progress	60-69
F	Failure	0-59

Plagiarism/AI (Artificial Intelligence):

Do not copy another student’s work. Cheating of any kind is not tolerated. Cheating or copying another student’s work may result in a referral will be written, a loss of employability points, and a zero for the assessment/assignment will be entered as a grade. Students must be responsible for appropriate use of AI programs, including but not limited to ChatGPT, in our learning environment. When used incorrectly AI can severely limit the potential learning goals for students. With the use of AI students must maintain the integrity of academic work and follow ethical guidelines. Prior teacher approval is necessary for any AI-related activities.

Student Code of Conduct:

<https://core-docs.s3.us-east-1.amazonaws.com/documents/asset/uploaded file/4647/SCS/4039751/FINAL SCSC Code of Student Conduct Secondary 2024-2025.pdf>

Parent Portal for FOCUS Attendance, Grades, and Schedule:

<https://www.youtube.com/watch?v=RM0aWVIFmVw&t=12s>

<https://www.sarasotacountyschools.net/o/scs/page/parents-and-students>

Resources and Information for Geometry Course and FAST Geometry EOC

<https://www.cpalms.org/PreviewCourse/Preview/10293>

<http://www.fsassessments.org/>