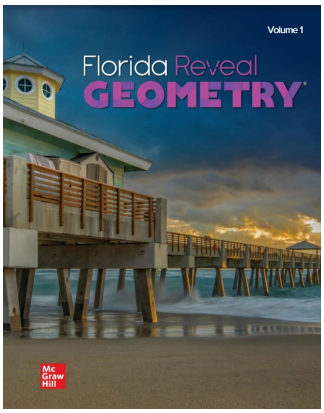
Geometry Course Description - Ms. Stephanides

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 Line Relationships
*Transformations and Symmetry
*Triangles and Congruence
*Relationships in Triangles

SEMESTER 2

* Quadrilaterals
* Similarity
* Right Triangles and Trigonometry
* Circles
* Geometric Measurement

Grading Categories - Geometry

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

Students will also take the State Geometry End-of-Course Exam – ***a student must pass the FAST (Florida Assessment of Student Thinking) EOC 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.

Quarter 1 and 2 are each worth 45% with the midterm worth 10%. 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.

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:
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. See Sarasota Honor Code Policy link below.

HONOR Code: https://www.sarasotacountyschools.net/Page/2567

Parent Portal for Attendance, Grades, and Schedule:
https://parentportal.sarasotacountyschools.net/

Resources and Information for Geometry Course and FAST Geometry EOC

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

http://www.fsassessments.org/

https://fsassessments.org/families.html