

[Insert SCHOOL NAME] Middle School Course Syllabus

Instructor:	Course: Geometry (270401)
Email:	Canvas link:

Course Description Geometry:

*Course Required for Graduation. This course is the study of high school Geometry content.

Upon completion of the course, students should be able to (1) reason quantitatively and use units to solve problems; (2) experiment with transformations in the plane; (3) understand congruence in terms of rigid motions; (4) prove geometric theorems; (5) make geometric constructions; (6) understand similarity in terms of similarity transformations; (7) prove theorems involving similarity; (8) define trigonometric ratios and solve problems involving right triangles; (9) understand and apply theorems about circles; (10) translate between the geometric description and the equation for a conic section; (11) use coordinates to prove simple geometric theorems algebraically; (12) explain volume formulas and use them to solve problems; (13) visualize relationships between two-dimensional and three-dimensional objects, and (14) apply geometric concepts in modeling situations.

The course design follows the FCPS district pacing guide and curriculum framework, including common assessments and semester finals. Upon course completion, students should be able to meet all Kentucky Academic Standards for Geometry.

Course Objective This course should be designed to fulfill the high school graduation credit for Geometry and build a solid foundation for future high school mathematics courses. This course contains modeling standards.

Texts

enVision Geometry (Savvas). All students can access an online textbook.

Supplies (insert supplies here)

Course Information/ Sequence of Learning

1. Foundations of Geometry
2. Parallel and Perpendicular
3. Transformations
4. Triangle Congruence
5. Relationships in Triangles
6. Quadrilaterals and Other Polygons
7. Similarity
8. Right Triangles and Trigonometry
10. Circles
11. Two – and Three – Dimensional Models

Grading

The grading and homework policies at *[insert school name]* are designed to accurately assign grades and demonstrate a clear relationship between student performance and learning. At the beginning of the year, all parents/guardians and students are asked to review the homework policy.

A **cumulative final** is required for each semester. The score will count in the grade distribution.

Categories of grade distribution will be used. These categories are defined below:

[Insert school grading category definitions & weights here--schools may consider a 60% summative/25% formative/15% final, each semester, in weights, to create consistency across the district]

To monitor your student's progress, please contact the guidance office to obtain a password to access your child's grade on Infinite Campus' parent portal.

Make-up Work Policy

It is the student's responsibility to get make-up work from each teacher. For excused absences, students shall be allowed the same number of days to complete the make-up work as they were absent, plus one (1) day.

Late Work Policy

[insert school late work policy here]

Grading Scale

[insert school grading scale here]