



## Intro to Geometry 7-9 Syllabus

### Course Goals

#### 1 Develop New Skills

Students develop their mathematical knowledge and abilities as they learn and practice new skills from their upcoming school year math course.

#### 2 Introduction to Geometry Material

Students review skills they've already learned before progressing to new material.

#### 3 Build Confidence

Students gain confidence in their mathematical abilities through practice and supportive feedback.

#### 4 Make Connections

Students make connections between different mathematical topics, and between math and everyday situations that connect to the math they learn.

### Course Topics

#### 1 Foundations of Geometry

#### 2 Constructions

#### 3 Parallel Lines & Angles

#### 4 Triangle Properties

#### 5 Congruent Triangles

#### 6 Similar Triangles

#### 7 Right Triangles

#### 8 Quadrilaterals

#### 9 Polygons

#### 10 Circles

## **11 3D Figures**

## **12 Transformations & Symmetry**

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