

# **Geometry SCOPE AND SEQUENCE**

## **Semester 1**

### **Chapter 1 Basics of Geometry**

Points, Lines, and Planes

### **Chapter 2 Segments and Angles**

Complementary, Supplementary, and Vertical Angles

### **Chapter 3 Parallel and Perpendicular Lines**

Relationships between lines

### **Chapter 4 Triangle Relationships**

Classifying Triangles, Angle Measures, Pythagorean Theorem, and Distance Formula

### **Chapter 5 Congruent Triangles**

Proving SSS, SAS, ASA, and AAS

## **Semester 2**

### **Chapter 6 Quadrilaterals**

Polygons, Parallelograms, Rhombuses, Rectangles, and Squares

### **Chapter 8 Area**

Area of: Parallelograms, Triangles, Trapezoids, Kites, Regular Polygons, Circles

### **Chapter 9 Surface Area & Volume**

Surface Area and Volume of: Prisms, Cylinders, Pyramids, Cones, Spheres

### **Chapter 7 Similarity**

Ratios, Proportions, Similar Polygons, Proving Triangles Similar

### **Chapter 11 Right Triangles & Trigonometry**

Pythagorean Theorem, Trigonometry Ratios, Elevation, Law of Sines