**Objectives**

**Geometry Unit**

**Understanding and Using Formulas**

**Perimeter, Circumference, Area, Volume and Surface Area**

We will define and learn the vocabulary associated with two-dimensional and three dimensional figures.

9-2 Perimeter and Circumference

We will find the perimeter of polygons and the circumference of circles.

9-3 Area of Parallelograms

9-4 Area of Triangles and Trapezoids

We will use formulas to calculate the areas of rectangles, parallelograms, parallelograms, triangles and trapezoids.

9-5 Area of Circles

Given the diameter and radius, we will use a formula to calculate the area of circles.

9-6 Area of Irregular Figures

We will break irregular figures into familiar shapes and calculate the area of the irregular figure.

Volumes of Rectangular Prisms, Triangular Prisms, and Cylinders

We will use formulas to calculate the volumes of rectangular prisms, triangular prisms, and cylinders.

Surface Area of Rectangular Prisms

We will use a formula to calculate the surface area of rectangular prisms.