**6thGrade Math Unit Plan-Measurement**

**Indicators:**

M.F.1 understand and describe the difference between surface area and volume.

M.C.2 use strategies to help develop formulas for finding circumference and area of circles, and to determine the area of sectors.

M.C.3 estimate perimeter or circumference and area for circles, triangles, and quadrilaterals, and surface area and volume for prisms and cylinders.

M.E.4 determine which measure matches the context for a problem situation.

M.F.5 understand the difference between perimeter and area, and demonstrate that two shapes may have the same perimeter, but different areas or may have the same area, but different perimeters.

M.F.6 describe what happens to the perimeter and area of a two-dimensional shape when the measurements of the shape are changed.

**Content/Concepts:**

Know the difference between types of measurements, use formulas to find measurements, estimate measurements, determine what measurement to use, describe how the measurements change.

**Skills:**

Understand, describe, estimate, describe

**Critical Questions:**

* Can I explain surface area vs. volume?
* Can I find circumference and area of circles?
* Can I estimate measurements?
* Can I tell what measurement to use for specific problems?
* Can I tell the difference between area and perimeter?
* Can I explain what happens to area and perimeter when the measurements change?

**Assessments:**

Daily classroom work

Practice work

Classroom participation

Quizzes

Tests