MATHEMATICS

Measurement and Geometry

Grade 6		
1. Students deepen their understanding of measurement of plane and solid shapes and use this understanding to solve problems. 6.1.1 Understand the concept of a constant number like π 6.1.2 Know the formula for the circumference and area of a circle 6.1.3 Know common estimates of π (3.14, 22/7) and use these values to estimate and calculate the circumference and the area of circles; compare with actual measurements 6.1.4 Know and use the formulas for the volume of triangular prisms and cylinders (area of base x height); compare and explain the similarity between these formulas and the formula for the volume of a rectangular solid	**2. Students identify and describe the properties of two-dimensional figures.** 6.2.1 Identify angles as vertical, adjacent, complementary and/or supplementary and provide descriptions of these terms 6.2.2 Use the properties of complementary and supplementary angles and of the angles of a triangle to solve problems involving an unknown angle 6.2.3 Draw quadrilaterals and triangles given information about them (e.g., a quadrilateral having equal sides but no right angles, a right isosceles triangle)	