

**St. Catherine of Siena Catholic School Mathematics**

**Third Grade**

Week	Unit	Skills			
Curriculum Overview	Addition and Subtraction Within 1,000 (40 days)	Round 2 and 3 digit numbers to the nearest ten or hundred, identify and describe whole number patterns and solve problems. Use compatible numbers and rounding to estimate the sum. Count by tens and ones, use a number line, make compatible numbers or use friendly numbers to find sums mentally. Use compatible numbers and rounding to estimate differences. Use a number line, friendly numbers, or the break apart strategy to find differences mentally.			
	Represent and Interpret Data (20 days)	Organize data in tables and solve problems using the strategy make a table. Read and interpret data in a scaled picture graph. Draw a scaled picture graph to show data in a table. Read and interpret data in a scaled bar graph. Solve 1 and 2 step problems using data represented in scaled bar graphs, read and interpret data in a line plot and use data to make a line plot.			
	Understand and Use Multiplication Facts and Strategies (25 days)	Model and skip count objects in equal groups to find how many there are; write an addition and a multiplication sentence for a model. Solve 1 and 2 step problems using the strategy draw a diagram, use arrays to model products and factors. Draw a picture, count by 2 or use doubles, use skip counting, a number line, or a bar model to multiply with factors 2-9. Model and use the Commutative Property of Multiplication, Distributive Property, and Associative Property.			
	Understand and Use Division Facts and Strategies (25 days)	Use models, a number line, repeated subtraction, related multiplication facts, equal groups, skip counting to divide by 2-9. Perform operations in order when there are no parentheses.			

	Understand and Compare Fractions (20 days)	Explore and identify equal parts of a whole. Divide models to make equal shares, use fractions to name one part of a whole that is divided into equal parts. Read, write and model fractions that represent more than one part of a whole that is divided into equal parts. Relate fractions and whole numbers by expressing whole numbers as fractions and recognizing fractions that are equivalent to whole numbers. Solve fraction problems using the strategy draw a diagram. Solve comparison problems by using the strategy act it out. Model and generate equivalent fractions. Compare fractions by using models and strategies involving the size of pieces in the whole.			
	Time, Length, Liquid Volume, and Mass (25 days)	Read, write, and tell time on analog and digital clocks to the nearest minute. use a numebr line or an analog clock to measure time intervals in minutes. Use a number line or an analog clock to add or subtract time intervals to find strating or ending times. Solve problems involving addition and subtraction of time intervals by using the strategy draw a diagram. Estimate and measure mass in grams and kilograms.			
	Perimter and Area (20 days)	Explore perimeter of polygons by counting units on grid paper. Estimate and measure perimeter of polygons using inch and centimeter rulers. Find the unknown length of a side of a polygon when you know its perimeter. Apply the distributive property to area models and to find the area of combined rectangles. Compare areas of rectangles that have the same perimeter.			