St. Catherine of Siena Catholic School Mathematics

Fifth Grade

Week	Unit	Skills			
Curriculum Overview	Numeration, place value, comparing and ordering whole numbers, decimal place value, comparing and ordering decimals, patterns (7 days)	Identifying the value of a number by the place value of whole and decimal numbers. Determining/comparing and ordering decimals. Finding patterns in decimal numbers.			
	Adding and subtracting whole numbers and decimals. (10 days)	Using mental math to add and subtract numbers. Rounding whole numbers, estimating sums and differences through drawing a picture and writing an equation. Adding and subtracting whole numbers and decimals.			
	Multiplying whole numbers. (10 days)	Identifying the properties of multiplication. Using Mental Math to multiply by multiples of 10, 100, or 1,000. Using compatible numbers to estimate products. multiplying a 1-digit number by a 3 digit number. Multiplying 2-digit by 2-digit numbers. Multiplying 3-digit numbers by 2-digit numbers. Using exponents to write large numbers.			
	Dividing by 1-Digit Divisors(14 days)	Capable of dividing multiples of 10 and 100, estimating quotients, being able to model division through symbols/models, dividing 1-digit divisors, understanding when to write Zero in the quotient.Understanding factors. Identifying prime and composite numbers.			
	Dividing by 2-digit divisors. (14 days)	Using patterns to divide, estimating quotients with 2-digit divisors, dividing by multiples of 10, 1 and 2-digit quotients, dividing/estimating with greater numbers.			
	Variables and Expressions (10 days)	Identifying variables and expressions. Using patterns to show relationship to expressions. Write and evaluate expressions with variables. Applying distributive property to write expressions and solve equations. Evaluating with more than one operation.			

	Multiplying and dividing decimals.(14 days)	Multiplying decimals by 10,100,and 1000. Multiplying decimals by a whole number. Estimating product of a decimal and a whole number. Multiplying two decimals. Dividing decimals by 10, 100, or 1000. Dividing a decimal by a whole number.Dividing decimals by a decimal.			
	Shapes (5 days)	Measuring and classifying angles. Identifying polygons, triangles,and quadrilaterals,			
	Fractions and decimals. (14 days)	Identifying fractions and how they can be used to show division. The relationship of mixed numbers and improper fractions. Finding equivalent fractions. Comparing and ordering fractions and mixed numbers. Finding common factors and greatest common factor. Writing fractions in simplest form. Writing fractions as a decimal. Locating fractions and decimals on the number line.			
	Adding and subtracting fractions and mixed numbers. (14 days)	Adding and subtracting fractions with like denominators. Finding common multiples and least common multiples. Adding and subtracting fractions with unlike denominators. Adding and subtracting mixed numbers.			
	Multiplying fractions and mixed numbers. (7 days)	Multiplying fractions and whole numbers, two fractions, and mixed numbers. Relating division to multiplication of fractions.			
	Perimeter and Area (14 days)	Using customary and metric units of length. Using formulas to measure squares, rectangles, parallelograms, triangles, circles and circumferences.			
	Solids (10 days)	Identifying solid figures. Relating shapes and solids. Finding surface area of a retangular prism and irregular shapes. Finding volumne of a prism.			
	Geometry (24 days)	Graph points on the coordinate plane to solve real world and mathematical problems. Classify two dimensional figures into categories based on their properties			