

ST. JOHN THE BAPTIST CATHOLIC SCHOOL

School-Wide Mathematics Curriculum - Grade 3

Trimester	Content	Essential State Standard	Strands	Strategies	Assessments
I	Number Sense	1.0 Students understand the place value of whole numbers	1.1 Count, read, and write whole numbers to 10,000 1.2 Compare and order whole numbers to 10,000 1.3 Identify the place value for each digit in numbers to 10,000 1.4 Round off numbers to 10,000 to the nearest ten, hundred, and thousand 1.5 Use expanded notation to represent numbers	Introduce: Teach Practice/Assess Reinforce Homework	Observation Recitation Homework Class interaction Review Tests
I	Algebra and Function	2.0 Students represent simple functional relationships	2.3		
I	Mathematical Reasoning	1.0 Students make decisions about how to approach problems	1.1 Analyze problems by identifying relationships, distinguishing relevant from irrelevant information, and observing patterns. 1.2 Determine when and how to break a problem into simpler parts.	Introduce: Teach Practice/Assess Reinforce Homework	Observation Recitation Homework Class interaction Review Tests

I	Measurement	1.0 Students choose and use appropriate units and measurement tools to quantify the properties of objects	1.2 Estimate and determine the area and volume of solid figures by covering them with squares or by counting the number of cubes that would fill them.	Introduce: Teach Practice/Assess Reinforce Homework	Observation Recitation Homework Class interaction Review Tests
II	Number Sense	2.0 Students calculate and solve problems involving addition, subtraction, multiplication, and division	2.2 Memorize the automaticity of the multiplication table for numbers between 1 and 10. 2.3 Use the inverse relationship of multiplication and division to compute and check results. 2.4 Solve simple problems involving multiplication of multidigit numbers by one-digit numbers. 2.5 Solve division problems in which a multidigit number is evenly divided by a one-digit number. 2.6 Understand the special properties of 0 and 1 in multiplication and division	Use beans, arrays Circles Flashcards/drills Assess Reteach Homework to reinforce	Observation Use beans, arrays Recitation Homework Class interaction Review Tests
II	Algebra and Function	1.0 Students select appropriate symbols, operations, and properties to represent, describe, simplify, and solve simple number relationships	1.1 Represent relationships of quantities in the form of mathematical expressions, equations, or inequalities. 1.3 Select appropriate operational and relational symbols to make an expression true	Circles Flashcards/drills Assess Reteach Homework to reinforce	Observation Use beans, arrays Recitation Homework Class interaction Review Tests

II	Mathematical Reasoning	2.0 Students use strategies, skills, and concepts in finding solutions	2.3 Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models, to explain mathematical reasoning	pictographs	Observation Use beans, arrays Recitation Homework Class interaction Review Tests
III	Number Sense	3.0 Students understand the relationship between whole numbers, simple fractions, and decimals	3.2 Add and subtract simple fractions 3.3 Solve problems involving addition, subtraction, multiplication, and division of money amounts in decimal notation and multiply and divide money amounts in decimal notation by using whole-number multipliers and divisors.	Add/subtract simple fractions Add, subtract, divide, and multiply simple fractions	Observation Use beans, arrays Recitation Homework Class interaction Review Tests
III	Measurement and Geometry	1.0 Students understand that measurement is accomplished by identifying a unit of measure, iterating (repeating) that unit, and comparing it to the item to be measured.	1.2 Use different units to measure the same object and predict whether the measure will be greater or smaller when a different unit is used. 1.3 Measure the length of an object to the nearest inch/or centimeter.	Volume of solid figures	Observation Use beans, arrays Recitation Homework Class interaction Review Tests

III	Statistics	1.0 Students collect numerical data and record, organize, display, and interpret the data on bar graphs and other representations.	1.2 Represent the same data set in more than one way 1.3 Identify features of data set (range, mode)	Use of graphs	Observation Use beans, arrays Recitation Homework Class interaction Review Tests
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