

# ST. JOHN THE BAPTIST CATHOLIC SCHOOL

## School-Wide Mathematics Curriculum - Kindergarten

Trimester	Content	Essential State Standard	Strands	Strategies	Assessments
I	Algebra and Functions	1.0 Students sort and classify objects.	1.1 Identify, sort, and classify objects by attribute and identify objects that do not belong to a particular group.	Whole group instruction, small group instruction, manipulatives, flash cards, math games, and calendar activities.	Chapter tests and oral assessment.
I	Statistics, Data Analysis, and Probability  Mathematical Reasoning	1.0 Students collect information about objects and events in their environment.  1.0 Students make decisions about how to set up a problem.	1.2 Identify, describe, and extend simple patterns (such as circles or triangles) by referring to their shapes, sizes, or colors. 1.2 Use tools and strategies, such as manipulatives or sketches, to model problems.	Whole group instruction, small group instruction, manipulatives, flash cards, math games, and calendar activities.	Chapter tests and oral assessment.
I	Number Sense	1.0 Students understand the relationship between numbers and quantities.	1.1 Compare two or more sets of objects and identify which set is equal to, more than, or less than the other. 1.2 Count, recognize, represent, name, and order a number of objects (up to 30). 1.3 Know that the larger numbers describe sets with more objects in them than the smaller numbers have.	Whole group instruction, small group instruction, manipulatives, flash cards, math games and calendar activities.	Chapter tests and oral assessment.

		3.0 Students use estimation strategies in computation and problem solving that involve numbers that use the ones and tens places.	3.1 Recognize when an estimate is reasonable.		
I	Measurement and Geometry	1.0 Students understand the concept of time and units to measure it; they understand that objects have properties, such as length, weight, and capacity, and that comparisons may be made by referring to those properties.	1.3 Name the days of the week.	Calendar activities.	Oral assessment and calendar labeling.
II	Measurement and Geometry	1.0 Students understand the concept of time and units to measure it; they understand that objects have properties, such as length, weight, and capacity, and that comparisons may be made by referring to those properties.	1.1 Compare the length, weight, and capacity of objects making direct comparisons with reference objects. 1.2 Demonstrate an understanding of concepts of time and tools that measure time. 1.4 Identify the time (to the nearest hour) of everyday events.	Whole group instruction, small group instruction, manipulatives, flash cards, math games and calendar activities.	Chapter tests and oral assessment. Use of manipulatives and calendar participation.

II	<p>Statistics, Data Analysis, and Probability</p> <p>Mathematical Reasoning</p>	<p>1.0 Students collect information about objects and events in their environment.</p> <p>1.0 Students make decisions about how to set up a problem.</p>	<p>1.1 Pose information questions; collect data; and record the results using objects, pictures, and picture graphs.</p> <p>1.1 Determine the approach, materials, and strategies to be used.</p>	<p>Whole group instruction, small group instruction, manipulatives, flash cards, math games and calendar activities.</p>	<p>Chapter tests and oral assessment. Use of manipulatives and calendar participation.</p>
III	<p>Number Sense</p> <p>Mathematical Reasoning</p>	<p>2.0 Students understand and describe simple additions and subtractions.</p> <p>2.0 Students solve problems in reasonable ways and justify their reasoning.</p>	<p>2.1 Use concrete objects to determine the answers to addition and subtraction problems (for two numbers that are each less than ten).</p> <p>2.1 Explain the reasoning used with concrete objects and/or pictorial representations.</p> <p>2.2 Make precise calculations and check the validity of the results in the context of the problem.</p>	<p>Whole group instruction, small group instruction, manipulatives, flash cards, math games and calendar activities.</p>	<p>Chapter tests and oral assessment. Use of manipulatives and calendar participation.</p>
III	<p>Measurement and Geometry</p>	<p>2.0 Students identify common objects in their environment and describe the geometric features.</p>	<p>2.1 Identify and describe common geometric objects.</p> <p>2.2 Compare familiar plane and solid objects by common attributes.</p>	<p>Whole group instruction, small group instruction, manipulatives, flash cards, math games and calendar activities.</p>	<p>Chapter tests and oral assessment. Use of manipulatives and calendar participation.</p>