

Pre K-Kindergarten Math Curriculum Overview - Adapted from Fall River Diocesan Curriculum Guidelines

PLEASE NOTE: *These learner outcomes are presented and/or reinforced over a two-year period in Pre K (if applicable) and Kindergarten. It is expected that students (by the end of Kindergarten) will be able to do the following:*

| <b>Number Sense and Operations</b> |  |
|------------------------------------|--|
| 1)                                 | Count by ones to at least 20.  |
| 2)                                 | Match quantities up to at least 10 with numerals and words.  |
| 3)                                 | Identify positions of objects in sequences (e.g., first, second) up to fifth.  |
| 4)                                 | Compare sets of up to at least 10 concrete objects using appropriate language (e.g., none, more than, fewer than, same number of, one more than), and order numbers. |
| 5)                                 | Understand the concepts of whole and half.   |
| 6)                                 | Identify U.S. coins by name.   |
| 7)                                 | Use objects and drawings to model and solve related addition and subtraction problems to ten.  |
| 8)                                 | Estimate the number of objects in a group and verify results.  |

| <b>Patterns, Relations, and Algebra</b> |   |
|---|---|
| 1)                                      | Identify the attributes of objects as foundation for sorting and classifying (e.g., a red truck, a red block, and a red ball share the attribute of being red). |
| 2)                                      | Sort and classify objects by color, shape, size, number, and other properties.  |
| 3)                                      | Identify, reproduce, describe, extend, and create color, rhythmic, shape, number, and letter repeating patterns with simple attributes (e.g., ABABAB...).       |
| 4)                                      | Count by fives and tens at least up to 50.  |

| <b>Geometry</b> |   |
|-----------------|---|
| 1)              | Name, describe, sort, and draw simple two-dimensional shapes.   |
| 2)              | Describe attributes of two-dimensional shapes (e.g., number of sides, number of corners).   |
| 3)              | Name and compare three-dimensional shapes.  |
| 4)              | Identify positions of objects in space, and use appropriate language (e.g., beside, inside, next to, close to, above, below, apart) to describe and compare their relative positions. |

| <b>Measurement</b> |  |
|--------------------|--|
| 1)                 | Recognize and compare the attributes of length, volume/capacity, weight, area, and time using appropriate language (e.g., longer, taller, shorter, same length; heavier, lighter, same weight; holds more, holds less, holds the same amount). |
| 2)                 | Make and use estimates of measurements from everyday experiences..   |
| 3)                 | Use nonstandard units to measure length, area, weight, and capacity.   |

| <b>Data Analysis, Statistics, and Probability</b> |  |
|---|--|
| 1)  | Collect, sort, organize, and draw conclusions about data using concrete objects, pictures, numbers and graphs. |