Snapshot – Prekindergarten Math

Catholic Schools
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Catholic Identity Standards

PK.1 **Catholic identity standards.** The student understands and integrates the content of what is learned into their faith and daily life. *

Ways to Grow		
	PK.1A	recognize that every human life is sacred because each person is created and loved by God*
	PK.1B	describe ways to take part in/be responsible to the community by discerning and using our God-given gifts*
	PK.1C	recognize and oppose unjust social structures and work toward justice for all*
	PK.1D	see God at work in all things and as expressed in the sacraments*
	PK.1E	connect scripture, tradition, and the models of Mary and the saints to guide, grow, and deepen faith*

Learning Process Standards

PK.2 **Learning process standards.** The student begins to develop processes and strategies for solving mathematical problems.

Tools to Know		Ways to Show	
PK.2A	look for and make use of patterns	PK.2D	use objects, drawings and actions to represent and communicate an approach to a mathematical problem
PK.2B	use concrete materials to explore and model mathematics	PK.2E	organize information by collecting, sorting, and classifying objects
PK.2C	exhibit joy at solving difficult mathematical problems and operations*		

Representation of Whole Numbers

PK.3 **Counting and cardinality.** The student will know number names, the count sequence, and count to find out "How many?".

Application		Supporting Standards	
PK.3A	count to tell the number of objects	PK.3A.1	know that objects, or parts of an object, can be counted
		PK.3A.2	count 1-10 items, with one count per item
		PK.3A.3	demonstrate that the order of the counting sequence is always the same, regardless of what is counted
		PK.3A.4	demonstrate understanding that when counting, the items can be chosen in any order
		PK.3A.5	count up to 10 items, and demonstrate that the last count indicates how many items were counted
		PK.3A.6	verbally identify, without counting, the number of objects from 1 to 5
		PK.3A.7	use the verbal ordinal terms
		PK.3A.8	use words to rote count from 1 to 30
PK.3B	know number names and the count sequence	PK.3B.1	recognize name and experiment with writing numerals 0-10
		PK.3B.2	recognize one-digit numerals, 0-9
PK.3C	recognize and create patterns	PK.3C.1	recognize and create patterns

Addition and Subtraction of Whole Numbers

PK.4 **Adding to/taking away.** The student will understand addition as putting together and subtraction as taking apart.

PK.4A	model real-world addition and subtraction problems through 5, using developmentally appropriate Prekindergarten materials	PK.4A.1	use concrete models or make a verbal word problem for adding up to 5 objects
		PK.4A.2	use concrete models or make a verbal word problem for subtracting 1-5 objects from a set

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Geometry and Spatial Sense

PK.6	**Geometry and measurement.** The student builds visual thinking skills through explorations with shape and the spaces in their classrooms and neighborhoods.		
PK.6A	recognize, describe, and name attributes of shapes	PK.6A.1	explore, identify, and describe shapes
		PK.6A.2	create and represent shapes using developmentally appropriate materials
PK.6B	recognize and name shapes in the environment, regardless of their orientation or overall size	PK.6B.1	demonstrate the use of location words
		PK.6B.2	slide, flip and turn shapes to demonstrate that the shapes remain the same

Measurement

K.6	**Geometry and measurement.** The student explores and discovers simple ways to measure.		
PK.6C	describe or demonstrate attributes of persons or objects, such as length, area, capacity, or weight	PK.6C.1	recognize and compare heights or lengths of people or objects
		PK.6C.2	recognize and compare weights of objects or people
		PK.6C.3	recognize how much can be placed within an object
		PK.6C.4	use informal strategies to separate up to 10 items into equal groups
PK.6D	use language to describe concepts associated with the passing of time		

Data Analysis

PK.7	**Classification and patterning.** The student begins to develop skills of sorting and organizing information, seeing patterns, and using information to make predictions and solve new problems.		
PK.7	collect, sort, categorize, and classify objects	PK.7A.1	classify objects and count the number of objects in each category
		PK.7A.2	categorize, match, or classify objects (e.g., size, shape, color)
		PK.7A.3	collect data and organize it in a graphic representation

No age appropriate standard for Domain 5 (fractions)