Connections to Ohio State Math Standards: K

Exhibit Module / Academic Content Standards Benchmarks K	Airplane	Airplane Shooter	Amazing Airways	Archimedes Screw	Bernoulli Fountain	Blue Screen	Brain Quiz	Catenary Arch	Crackle Screen	Echo Tube	Erosion Table	Gear Wall	Hurricane Chamber	Kapla Blocks	Laser Guitar	Lego Table	Magnet Wall	Peakaboo Window	PVC Pipe Organ	Rhythm machine	Stream Table	Video Browser	Water Table/Tide Pool
Number, Number Sense and Operations Standard																							
Compare and order whole numbers up to 10.								X						X		X							
Explain rules of counting, such as each object should be counted once and that order does not change the number								X						X		X							
Count to twenty; e.g., in play situations or while reading number books.			X					X				X	X	X		X							
Determine "how many" in sets (groups) of 10 or fewer objects.			X											X		X							
Relate, read and write numerals for single-digit numbers (0 to 9).																							
Construct multiple sets of objects each containing the same number of objects.			X											X		X	X						
Model and represent addition as combining sets and counting on, and subtraction as take-away and comparison.			X				X	X					X	X		X							
Partition or share a small set of objects into groups of equal size; e.g., sharing 6 stickers equally among 3 children.			X											X		X							

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Recognize the number or quantity of sets up to 5 without counting; e.g., recognize without counting the dot arrangement on a domino as 5.			X					X						X		X							
Measurement Standard																							
Compare and order objects of different lengths, areas, weights and capacities; and use relative terms, such as longer, shorter, bigger, smaller, heavier, lighter, more and less	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Measure length and volume (capacity) using uniform objects in the environment. For example, find:	X	X	X	X				X						X		X							
Order events based on time	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Geometry and Spatial Sense Standard																							
Identify and sort two-dimensional shapes and three-dimensional objects.		X												X		X	X						
Name and demonstrate the relative position of objects		X	X					X						X		X							

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Patterns, Functions and Algebra Standard																							
Sort, classify and order objects by size, number and other properties.														X		X							
Identify, create, extend and copy sequences of sounds (such as musical notes), shapes (such as buttons, leaves or blocks), motions (such as hops or skips), and numbers from 1 to 10.			X							X					X				X	X		X	
Describe orally the pattern of a given sequence.		X	X	X										X		X	X			X				
Data Analysis and Probability Standard																							
Gather and sort data in response to questions posed by teacher and students; e.g., how many sisters and brothers, what color shoes.																	X						