

Connections to Ohio State Math Standards: Pre-K

Exhibit Module	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	
Academic Content Standards Benchmarks Pre-K																								
Know number name and count sequence																								
Count to 10 by ones.			X		X			X				X		X	X	X	X		X	X				
Count forward beginning from a given number within the known sequence.			X		X			X				X		X	X	X	X		X	X				
Identify and name numerals 1-9							X	X																
Count to tell the number of objects																								
Subitize to determine how many; immediate recognition of small quantities up to 6.			X					X						X		X								
Understand the relationship between numbers and quantities; connect counting to cardinality								X																
Compares Numbers																								
Identify if the number of objects in one group is greater than, equal to or less than the number of objects in another group up to 10.			X				X	X						X		X	X							
Understand addition as putting together and adding to, and taking from.																								

Exhibit Module Academic Content Standards Benchmarks Pre-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
Construct sets up to 10 with more or fewer objects than a given set, join two sets of objects to make one large set.							X							X		X							
Describe and compare measurable attributes																							
Describe measurable attributes of objects, such as length or weight. Sort order or classify by one attribute.		X	X								X					X	X						
Directly compare two objects with a measurable attribute in common to see which object has “more of/Less of” the attribute and describe the difference.			X								X		X	X	X	X		X	X	X		X	
Classify objects and count the number of objects in each category																							
Classify objects into given categories, count the number of objects in each category and sort the categories by count. Limit total number of objects to 10.			X											X		X							
Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders and spheres).																							
Describe objects in the environment using the names of shapes and describe the relative positions of these objects using terms such as above, below, beside, in front of, behind and next to.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Exhibit Module	Academic Content Standards Benchmarks Pre-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
Identify shapes as two dimensional (lying in a plane, "flat") or three dimensional (solid).	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Analyze, compare, create and compose shapes.																							
Analyze and compare two and three dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts and other attributes.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Model shapes in the world by building shapes from components and drawing shapes.														X		X							
Compose simple shapes to form larger shapes.														X		X							