

## Connections to Pennsylvania State Science 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	
<b>Academic Content Standards Benchmarks Pre-K</b>																								
<b>Biological Sciences</b>																								
Use the five senses as tools with which to observe, classify, collect information and describe observations	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Describe observable patterns in objects		X	X	X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Discuss observations and discoveries	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>Physical Sciences</b>																								
Describe objects according to size, shape, color or properties of matter			X		X				X		X			X	X	X	X				X	X	X	X
Recognize the different types of matter											X										X			
Experiment with changes in matter											X										X			
Explore and describe motion of toys and objects	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Observe demonstrations and make predictions about basic energy types and sources		X	X	X	X						X		X								X		X	X

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Use magnets to explore and sort materials	X																X							
Categorize and create sounds based on different attributes		X								X			X		X					X				
Predict a reaction based on previous experiences		X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Participate in scientific investigations	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>Earth and Space Sciences</b>																								
Identify earth forms in pictures																						X		
Sort different types of earth																								
Observe and explore water in solid and liquid states											X									X			X	X
Identify a variety of uses for water																								
Identify season that corresponds with observable conditions																								
Identify how weather affects daily life													X											
Identify different types of precipitation																								

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Examine change through simple observation	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Identify the characteristics of the sun, moon, stars and clouds					X																X		
<b>Technology: Exploration, Inquiry and Invention</b>																							
Identify examples of technology	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Identify the function of simple technological objects	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Identify the appropriate technology to complete a task		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Use simple tools and materials		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Explore wind power		X											X										
Build structures using a variety of block types																							