

## Connections to Pennsylvania State Science Standards: Grade 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	Steam Table	Video Browser	Water Table/Tide Pool	
<b>Biological Sciences</b>																								
Use the five senses as tools with which to observe, collect information, classify, describe and solve problems.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Use observation to develop a descriptive vocabulary based on sensory experiences.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Explore patterns that regularly occur in nature		X	X			X					X													
Connect known ideas with new knowledge to build understanding or refine concepts.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Identify reasons for observed changes.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Form clear explanations based on observations.																								
<b>Physical Science, Chemistry and Physics</b>																								
Classify items by properties of matter					X						X									X			X	
Apply knowledge of motion to new toys and objects		X	X	X	X				X		X	X	X	X	X		X			X	X	X	X	X
Use and explain the concepts of magnetic force.																	X							

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Academic Content Standards Benchmarks Grade K		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Demonstrate and describe variations of sound			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Describe the relationship between action and its reaction using an “if then” statement.			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Create scientific investigations		X	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 Science</b>																								
Identify examples of water in solid and liquid states					X	X					X											X		X
Distinguish between different types of precipitation							X							X										
Collect, describe and record information about weather.							X							X										
Examine and explain change through simple observation and recording.		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>Technology</b>																								
Identify different types of technology in school, workplace and home.		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Identify types of technology by function		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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Select and use appropriate technology to complete a task.	X	X	X			X	X		X				X		X		X	X		X		X	
Solve simple problems using 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	X
Identify the steps in completing a project.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Describe wind power	X	X	X										X										