

## Connections to Pennsylvania State Science Standards: Grade 1-3

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>Unifying Themes</b>																								
Know that natural and human-made objects are made up of parts	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Know models as useful simplifications of objects or processes	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Illustrate patterns that regularly occur and reoccur in nature		X	X			X				X	X		X									X	X	X
Recognize change in natural and physical systems		X	X		X	X			X	X	X			X				X		X	X	X	X	X
<b>Inquiry and Design</b>																								
Identify and use the nature of scientific and technological knowledge			X	X	X			X	X			X			X			X		X	X	X	X	X
Describe objects in the world using the five senses	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Recognize and use the elements of scientific inquiry to 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
Recognize and use the technological design process to solve problems		X	X	X				X			X	X			X			X		X	X	X	X	X
<b>Physical Science, Chemistry and Physics</b>																								
Recognize basic concepts about the structure and properties of matter	X	X	X	X	X						X		X											X

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<b>Academic Content Standards Benchmarks Grade 1-3</b>																								
Know basic energy types and sources																								
Observe and describe different types of force and motion		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 Sciences</b>																								
Know basic weather elements							X					X												
<b>Technology Education</b>																								
Know physical technologies of structural design, analysis and engineering, finance, production, marketing, research and design								X	X								X							
<b>Technological Devices</b>																								
Explore the use of basic tools, simple materials and techniques to safely 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
Select appropriate instruments to study materials		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X