

# Second Grade

## PA Academic Standards at the Lancaster Science Factory Exhibits

### Physics and Chemistry

*Under standard category Physical Sciences: Chemistry and Physics (3.2.)*

[X] = This exhibit essentially fulfills the standard statement, however the exhibit may require additional explanation from the teacher.

Topic	Exhibit	The Strands			
		Physics 1. Force & Motion of Particles and Rigid Bodies	Physics 2. Energy Storage and Transformations: Conservation Laws	Chemistry 4. Reactions	Chemistry 5. Unifying Themes
Energy and Magnetism	Crank Power		X		
	Electrical Circuit		X		
	Electrical Conductors & Insulators		[X]		
	Light It Up		X		
	Magnetic Sculpture				[X]
	Rockin' Radiation		X		
Fluid Dynamics	Tennis Ball Launcher		X		
	Minimal Surfaces			[X]	
Light and Vision	Light Room: Color Change-Up		[X]		
	Light Room: Colored Shadows		[X]		
Mechanics and Motion	Can You Lift 100 Pounds?	X			
	Kinetic Energy Machine		X		
	Newton's Cradle		X		