

## Seventh Grade

### PA Academic Standards at the Lancaster Science Factory Exhibits

Technology and Engineering Education (Standard category (3.4.)), Part 2

Topic	Exhibit	D. Abilities for a Technological World			E. The Designed World	
		Strand 1. Applying the Design Process	Strand 2. Using and Maintaining Technological Systems	Strand 3. Assessing Impact of Products and Systems	Strand 3. Energy and Power Technologies	Strand 7. Construction Technologies
Energy and Magnetism	Light It Up	X	X	X	X implied	
	Rockin' Radiation		X			
Light and Color	Light Room: Lenses, Mirrors and Filters		X implied			
Mechanics and Motion	Kinetic Energy Machine		X			
	Roller Coaster	X				
Puzzles and Brain Teasers	K'NEX Mini-Racers			X		
Structural Engineering	Ceiling Beam					X
	Earthquake	X				
	Truss Bridge	X				