

## Eighth 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 3. Assessing Impact of Products and Systems	Strand 3. Energy and Power Technologies	Strand 7. Construction Technologies
Energy and Magnetism	Crank Power			<b>X implied</b>	
	Light It Up		<b>X</b>	<b>X implied</b>	
Fluid Dynamics	Dam the Creek	<b>X</b>			
	Flight Deck	<b>X</b>			
Mechanics and Motion	Roller Coaster	<b>X</b>			
Puzzles and Brain Teasers	K'NEX Mini-Racers	<b>X</b>	<b>X</b>		
Structural Engineering	Ceiling Beam				<b>X</b>
	Earthquake	<b>X</b>			<b>X implied</b>
	Truss Bridge	<b>X</b>			<b>X</b>