

Exhibit Descriptions



Water Locks

Operate an authentic canal lock system as you move your boat through different water levels.

Simple Machines (ball pit)

Discover how simple machines help move things in this ball-pit construction site. Using ramps, buckets, and scoops, children can lift and load balls into a dump truck and move the loads around! This exhibit is designed to appeal to toddlers and preschoolers.

How do Boats Sail Into the Wind?

Glide sailboats through the water by changing the rudder and sail positions. Change the wind direction for a new challenge as you try to reach the next port.

Hovercraft

Sit down, settle in and fly through the air on this amazing hovercraft. Ride on a cushion of air that lets you twist, turn, and travel with ease across the floor.

- **Mini Hovercraft:** Accompanying interactive component lets you explore how air pressure makes a hovercraft work.

Hot Air Balloon

Turn up the heat to help this beautiful balloon take to the skies.

How do Planes Fly?

See how changing air flow affects the movement of wings. Challenge yourself to see if you can make the wing more stable or make it hover in one place. Create your own experiments to make the wing flutter, float, or soar.

Heavy Lifting

Experiment with different forms of mechanical advantage as you lift identical weights using hydraulics, levers, pneumatics, and pulleys. Try each one to see how it makes your work easier!

- pulleys
- levers
- pneumatics
- hydraulics

Mag-Lev

Discover how trains float in the air and travel at amazing speeds through magnetic levitation. Explore the potential of transportation using magnetic forces, and decide for yourself if this is the future of travel.

Air Transport

Send colored balls through clear tubes from one place to another in a rushing channel of air. Watch balls zoom and snake through the exhibition gallery, going up the walls and over your head to your friends at the other station.

Carry That Weight

Experience the forces that effect how things move across land and water. Try moving different weights across dirt, along train tracks, or through the water. Which one takes less effort?

- water
- train tracks
- land

Right Engine for the Job

Explore the inside of important machines that do everything from power our cars and airplanes to lawnmowers and snowblowers.