

EXPLORATORIUM ACTIVITIES

Mechanics

Collisions (Forces equal and opposite, Momentum Conservation)
Levers (Force x distance)
Slinkies (Simple Waves)
Coupled Pendulums (Resonance)
Tuning Forks (sound Waves, Interference, Resonance)
Magdeburg Hemispheres

Angular Momentum

Rotating Stool (with weights)
Rotating Stool (with bicycle wheel)
Gyroscope, Top (gyroscope in repair)

Electricity and Magnetism

Current Electricity ($V=iR$, series, parallel)
Solar Cell (measure voltage)
Generator (motion to electricity, and back to motion)
Compare battery, solar cell, generator (voltage, light bulb, motor)
Van de Graaf (not typically in attendance)
Cathod Ray Tube (not typically in attendance)
Magnets

Optics

Crossed Polarizers
Images by Parabolic Mirror
Images in Space/ Virtual Images
Scattering (diffraction gratings, glasses, measure hair)
Fluorescence

Particle Physics

What's it about? (More structure from scattering, atoms, nuclei, electrons, and quarks)
Mirrors from E865 (big experiment to measure "strange kaons"; 1:100,000 million?)