

# motion

Featuring hands-on exhibits and activities that explore the wonders of physics and engineering, Motion will transform your school into an interactive science museum. Highlights of the exhibition include a larger-than-life spinning Turntable, a Gravity Well, Bernoulli Blower, Flying Cups and spectrUM's ever-popular Flight Simulator.



## GRAVITY WELL

Visitors of all ages enjoy watching as pocket change orbits our hyperbolic gravity funnel. Enjoy the entrancing visual demonstration of Kepler's Laws of planetary motion and explore friction, spin, and gravity!



## FLIGHT SIMULATOR

Climb inside MosSE's Flight Simulator and experience the thrill of flight, fun, and adventure. Our ever-popular airplane flight simulator lets visitors pilot their own flight from the nearest local airport and explore the way researchers today gather remote imagery data.



## BERNOULLI BLOWER

Get blown away by the physics of flight with MosSE's Bernoulli Blower. Fast moving air creates lower pressure, causing the ball to magically float! Students observe the fluctuating flight pattern of an object reacting to the fundamental forces of flight.



## FLYING CUPS

Experience aerodynamics firsthand. Cut and bend paper cups and then test the flight capabilities of those cups. It's fun for youngsters as well as adults. The immediacy of results encourages confidence and inquiry!



## TURNTABLE

Discover why a ring spinning on edge can be more stable than a disk laid flat. Visitors love the challenge of getting disks and rings to stay on edge while moving around the giant rotating Turntable disk.



## LAZY SUSAN SPIN STATION

How strong is the power of spin? Investigate the conservation of angular momentum and moment of inertia with our Spin Station experiments.



## TOPS TABLE

The Top and Gyroscope Table is stocked with an assortment of spinning things—tops, gyroscopes and optical images. It is an excellent inquiry tool on the science of spin.



## RADAR MAGNETS

Visitors learn about magnetism—one of the universal forces—as they mold and design magnetic structures with these powerful magnets.