

# Unlocking the Mysteries: Science on the Edge of Our Solar System

## Internet Resources

Discovery Program home page: <http://discovery.nasa.gov>  
*Discovery and New Frontiers News* (quarterly newsletters with information on mission status):  
<http://discoverynewfrontiers.nasa.gov/news/newsletters/index.html>



Internet access required.

Many of the Discovery Program missions feature education sections on their Web sites:

### Missions to Comets & Asteroids

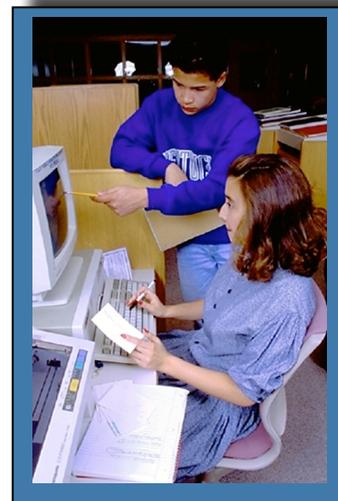
- NEAR: <http://near.jhuapl.edu/>
- Stardust: <http://stardust.jpl.nasa.gov/home/index.html>
- Deep Impact: <http://deepimpact.umd.edu/>
- Dawn: <http://dawn.jpl.nasa.gov/>
- CONTOUR: <http://discovery.nasa.gov/contour.html>

### Missions to the Moon, the Planets, and the Sun

- Mars Pathfinder: <http://mpfwww.jpl.nasa.gov/MPF/default.html>
- Lunar Prospector: <http://lunar.arc.nasa.gov/>
- Genesis: <http://genesismission.jpl.nasa.gov/>
- MESSENGER: <http://messenger.jhuapl.edu/>

### Mission to locate planets outside our solar system (extrasolar planets)

- Kepler: [www.kepler.arc.nasa.gov](http://www.kepler.arc.nasa.gov)



### Experiments and Activities

Mission	Activity Title	Topic
NEAR	<a href="#">Asteroid Resources – The Stepping Stone to Beyond</a>	Research and document some of the requirements for mounting an expedition to an asteroid.
Stardust	<a href="#">Aerogel-lo</a>	Simulate and observe the collection of particles using aerogel.
CONTOUR	<a href="#">Scale Model Comet</a>	Learn some of the components of an active comet and the scale of an active comet relative to the Earth.
Deep Impact	<a href="#">Exploring Comets and Modeling for Mission Success</a>	Learn how scientists explore comets and why mission teams perform modeling exercises on Earth to assure mission success in space.
Dawn	<a href="#">Ion Propulsion Engine Simulation</a>	Experiment with designing an ion engine using an interactive simulation.
Mars Pathfinder	<a href="#">Mars Robotics Activities</a>	Learn what it takes to design and build a robotic mission to the Red Planet.
Lunar Prospector	<a href="#">Reaping Rocks</a>	Make predictions about the origin of lunar rocks using rocks from your neighborhood.
MESSENGER	<a href="#">Sensing the Invisible</a>	Learn about forms of light other than the visible light emitted by the Sun.
Genesis	<a href="#">What Are We Made Of?</a>	Learn about the elements that make up all things on Earth and in space and count elements extracted from simulated samples.
Kepler	<a href="#">Habitable Planets</a>	Do activities to learn what it takes for a planet to support life as we find it on Earth.