



## Mad Science® of Southern MA & RI

### **NASA: Academy of Future Space Explorers**

Mad Science and NASA have teamed up to bring you the excitement and wonder of space in the *NASA: Academy of Future Space Explorers* After-School Program!

The *NASA: Academy of Future Space Explorers* takes children on a voyage of discovery. With unique hands-on activities, amazing demonstrations and fun educational take-homes, this is an experience that is truly out of this world!

#### *Space Travel*

Learn what it takes to be a true globetrotter! Race a balloon rocket and design your own car engine as you learn about thrust. See the principles of propulsion at work in a real rocket launch, and build your very own *Space Copter* to fly to the skies!

#### *Sun & Stars*

This stellar program is your ticket to the stars! Watch star dust burn, and journey through a soapy galaxy as you investigate the life cycle of stars! Use your *Cosmic Disk* to fly the constellations!

#### *Rocket Science*

This is your chance to be a rocket scientist! Investigate the four forces of flight with the help of a Unique Flying Object! Explore the science involved in rocket construction as you build your own *Skyblazer Rocket* that you can take home!

#### *Planets & Moons*

Explore the farthest reaches of our solar system and create a lunar eclipse in this "mad" planetary tour! Learn how the planets stack up. Take home the *Gravity Assisted Launcher* to demonstrate the use of gravity for space travel!

#### *Living in Space*

Experience the life of an astronaut as you suit up for space flight! Use teamwork to complete an important space mission. Take home the *Spacewalk Mission* to learn the difficulty of making repairs in space.

#### *Space Technology*

Discover technology designed for outer space! Steer a laser beam through a laser maze, find hidden mountains using the principles of radar technology and discover everyday objects originally designed for use in space! Take home a *Stereoscopic Viewer* to demonstrate how robots see in 3-D!