

# NASA: ACADEMY OF FUTURE SPACE EXPLORERS SUMMER CAMP

## Class Topics:

### Atmosphere and Beyond

We're on a mission to explore the atmosphere on Earth, and beyond! Travel to the end of the rainbow and make a sunset! Mix up various planetary atmospheres, one molecule at a time! Discover how stars would look in space and see what makes stars twinkle using your very own Shimmering Stars™!

### Living in Space

Live the life of an astronaut as you suit up for space flight! Find out how much you would weigh if you lived on Pluto and how old you would be if you lived on Saturn. Participate in a space mission and make your very own Cosmic Chronometer™ watch to measure the time here on Earth

### Planets and 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. Build and take home Kepler's Cube™, a fun and educational 3-D solar system puzzle!

### 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 II Rocket™ that you can take home!

### Space Phenomena

Probe the mysteries of meteors and bounce around satellite light in this phenomenal program on space events! See comets up close as one is formed before your eyes, and take home your very own Catch-a-Comet™!

### 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 Shuttle Copter™ to fly to the skies!

### 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 Lightning Launcher™ that will light up the sky!

### Sun and 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 Bead Dipper™ to create a 3-dimensional glow-in-the-dark constellation!



**To register for this camp contact Mad Science at 801-292-8646**