



# NASA: Academy of Future Space Explorers

NASA-approved and endorsed, this program takes children on a tour of the universe! Participants will continue their explorations at home with fascinating information and take-homes. Children will learn about space travel, energy, dry ice, space technology, living in space, motion, and planets and moons.

## 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 reach rocket launch, and build your very own Shuttle Copter™ to fly to the skies!

## 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 Space Telescope.

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

## Planets & Moons

Explore the farthest reaches of our solar system and create a lunar eclipse in the “mad” planetary tour! Learn how the planets stack up. Build and take home your own Gravity Assisted Launcher kit

## Living in Space

Experience the life of an astronaut as you suit up for space flight! Use teamwork to complete an important space mission, build a model space station, and make your very own Spacewalk Challenge!

## Atmosphere & 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! Build your own Meteorological Stations and learn how these devices measure UV radiation, wind, and air pressure!

## 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! Build your own Stereo Viewer to discover scenes from our solar system!

