



Live Rocketry Demonstrations
in Dr. Goddard's Lab

• Hot rockets. Cool cockpits.
Alien adventures.

Camp experiences
like nowhere else on Earth.

Welcome to Camp KAOS:
Kansas Adventures in Outer Space

Developed from authentic NASA astronaut training, Camp KAOS combines space science education with hands-on action and thrilling flight simulators. Camps for every age group are offered in this internationally recognized program.

Explore the galaxy. Learn the possibilities that await in space. Grow lasting friendships. Dream, imagine and have a galactically fun time!

For more than 25 years, Camp KAOS has inspired campers to seek careers in space science industries. Camp KAOS alumni have landed jobs at NASA, the Jet Propulsion Laboratory, and other entities requiring education in science, math, engineering and the environment.

Your pilot's seat is waiting.
Join us at Camp KAOS!

• Tell your friends, your parents, and set your sights sky-high for Camp KAOS. We're waiting for you!

Make your camp reservation.

Visit cosmo.org/camps for dates, tuition, and more details on all of our camps.

Or, call 800.397.0330, ext. 323, or e-mail us at camps@cosmo.org.

- Early bird and other tuition incentives available.
- Scholarships may be available.
- Additional camps available for Boy Scouts and Girl Scouts.
- Camp counselors on staff 24/7.



COSMOSPHERE
KANSAS COSMOSPHERE & SPACE CENTER

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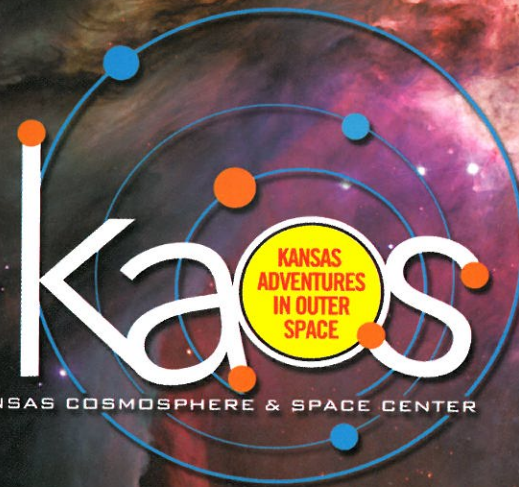
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COSMO.ORG/CAMPS

ELEMENTARY CAMPS

Investigate Space: Solar System

Entering Grades 2 and 3

Navigate outer space from our Mission Command Center. Explore the sun through our telescope. Journey the galaxy in our Planetarium. Witness live rocketry demonstrations. Five-day commuter camp (half days).



Investigate Space: Lunar Base

Entering Grades 3 and 4

From our simulated lunar base, work with Mission Control to discover the exciting challenges of daily life on the Moon. Examine (then eat!) totally cool experiments by space science educators who flash-freeze liquid oxygen to make ice cream. Five-day commuter camp (half days).



Explore Space: Alien Adventure

Entering Grades 4 and 5

Design and build robots. Seek out new life. Observe microscopic organisms on Earth and explore the possibilities of environments and cultures beyond our planet. Three-day commuter camp with one overnight stay.



Explore Space: Exploration Earth

Entering Grades 5 and 6

Uncover how the Earth's various ecosystems support life in space. Check out discoveries at local nature centers, zoos and wildlife areas. Build solar ovens and water filtration systems, then design your own self-supporting habitat. Four-day commuter camp with one overnight stay.



JR/SR HIGH CAMPS

Explore Space: Mars Academy

Entering Grades 6 and 7

Plan a mission to Mars. Design and build robots to explore the Red Planet, and race your robonauts in competitive relays. Perform Mars-themed science experiments in our Martian Laboratory. Witness live rocketry demonstrations. Three-day residential camp.



Space 101: Rockets and Living in Space

Entering Grades 7 and 8

Pilot our advanced Falcon III spacecraft simulator in a low Earth orbit mission. Take the helm of a real Soyuz capsule used to train astronauts worldwide. Oversee the Mission as spaceflight supervisor at Mission Control. Train like real astronauts on our 4-G centrifuge, multi-axis trainer and stress simulator.

Adventure into the Hall of Space Museum, showcasing spacecraft that have traveled to the Moon and back! Consult with the Cosmosphere's rocketry educators in Dr. Goddard's Lab, then build and launch your own hot rockets! Four-day residential camp.



Space 201: Bridge to the Future

Entering at least Grade 8

Fly advanced Falcon III simulator missions. Have fun with robotics. Analyze deep sky objects through state-of-the-art telescopes. Discover survival techniques for journeys to alien worlds. SCUBA's used to simulate microgravity and challenge endurance in an adventurous rope climbing course. Six-day residential camp.



ADVANCED SR HIGH CAMPS

America's Space Center Journeys

Entering Grade 10, and completed Space 101 or 201

More fascinating adventures await! Return to Camp KAOS then venture on for training, tours and interactions with personnel at America's great spaceports:

- **Space 301:** Houston's Johnson Space Center, NASA training facilities and current and historic Mission Controls.
- **Space 401:** Florida's Kennedy Space Center.
- **Space 501:** Los Angeles / Mojave Desert, NASA's Jet Propulsion Laboratory at Cal Tech, SpaceX and Edwards Air Force Base.



Campers perform a mission in the Falcon III spacecraft simulator.

SIMULATOR DESCRIPTIONS

- **SPACE SHUTTLE SIMULATOR, FALCON III** – The Cosmosphere's Falcon III simulator is the most realistic spacecraft simulator outside of NASA. Campers simulate launch, orbit, satellite deployment, reentry, and landing in a motion-based simulator.
- **MISSION CONTROL** – Mission Control allows campers to track the course of the Falcon III in real time. Mission Controllers verify information and solve problems, while CAPCOM communicates with the team flying their mission.
- **MULTI-AXIS TRAINER** – The multi-axis trainer spins riders 360 degrees in 3 directions while simulating tumble-type maneuvers that could be encountered in spaceflight.
- **CENTRIFUGE** – The centrifuge tests campers' reactions to forces encountered during launch and reentry. The centrifuge applies the same amount of force as a typical Space Shuttle launch, roughly 3 to 4 Gs.
- **STRESS SIMULATOR** – Provides external stimuli in an effort to simulate stressful situations encountered during spaceflight. A separate computer then measures reaction time.