

space:301

Johnson Space Center

Entering at least
Grade 9
& completed Space:201

INFORMATION:

Price: \$950
35 participants per session

Session 1 June 6-11, 2011
Session 2 July 11-16, 2011



space:401

Kennedy Space Center

Entering at least
Grade 10
& completed Space:301

INFORMATION:

Price: \$1950
30 participants per session

Session 1 June 5-11, 2011
Session 2 June 19-25, 2011



EXPLORE. LEARN. GROW. DREAM.

JR & SR HIGH CAMPS

Kansas Adventures in Outer Space (KAOS), formerly FATP, at the Kansas Cosmosphere and Space Center is not just a camp. It's an experience.



THE EXCITEMENT BUILDS... at Johnson Space Center, Houston, TX

Location: Kansas Cosmosphere and Space Center and Johnson Space Center (Houston, TX)

- Travel to Johnson Space Center and enjoy unparalleled access to NASA's training facilities and Mission Control
- Learn about the many career opportunities available at NASA
- Experience Space Center Houston, Johnson Space Center's interactive education facility
- Test your knowledge and problem-solving skills during an advanced space shuttle mission in the spacecraft simulator Falcon III
- Revisit and refine your skills on KAOS simulators: stress simulator, centrifuge, multi-axis trainer and Mission Control

THE CONFIDENCE GROWS... at Kennedy Space Center, Florida

Location: Kennedy Space Center (Florida)

- Travel to Kennedy Space Center for an in-depth tour of America's spaceport
- Experience various hands-on activities developed by Space Florida
- Build a payload for a weather balloon and launch it up to 80,000 feet
- Tour Cape Canaveral and historic launch sites
- Discuss NASA's future with Space Florida educators
- Tour the United Launch Alliance facilities
- Extra Credit: Visit Florida's Cocoa Beach

space:501

COMING SOON! California

Entering at least
Grade 10
& completed Space:301

INFORMATION:

Price: TBD
30 participants per session

Session 1 June 26-July 2, 2011



COSMOSPHERE
KANSAS COSMOSPHERE & SPACE CENTER

1100 north plum | hutchinson, ks | 800.397.0330 | cosmo.org



2011 CAMP PRICING AND INFORMATION

KAOS (Kansas Adventures in Outer Space) is an internationally recognized camp that combines space science education with exciting NASA-training activities. Developed from authentic astronaut training, KAOS motivates campers to seek careers in space-related industries by emphasizing the importance of teamwork, leadership and problem solving.

Campers train in the Cosmosphere's advanced simulators - the Falcon III spacecraft simulator, 4-6 centrifuge, multi-axis trainer, Soyuz trainer and stress simulator. They also build and launch rockets, tour the Hall of Space Museum and explore the night sky. Advanced campers perform underwater scuba exercises, conduct ropes course team training and travel to Johnson Space Center in Houston, Kennedy Space Center in Florida, and multiple space centers in California. Learn, grow, and make life-long friendships.

QUICK FACTS

- For students entering grades 7, 8, 9 and 10
- Travel involved: Johnson Space Center (Space:301), Kennedy Space Center (Space:401), Southern California (Space:501)
- This camp has 5 Levels, with Space:101 lasting 4 days, Space:201 lasting 6 days and Space:301, 401 and 501 each lasting 7 days
- Counselor supervision 24/7
- Tuition includes room, board, and all materials needed for camp
- Non-refundable deposit due with registration. Balance due 5 weeks prior to session
- Transportation between the Wichita, KS airport and the Cosmosphere is available for a fee
- Scholarship applications available for Space:101 and Space:201

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 3-4 Gs.
- **STRESS SIMULATOR** – Provides external stimuli in an effort to simulate stressful situations encountered during spaceflight. A separate computer then measures reaction time.

space:101

Rockets & Living in Space

Entering
Grades 7 & 8

INFORMATION:

Price: \$550
30 participants per session

- Session 1 June 1-4, 2011
- Session 2 June 8-11, 2011
- Session 3 June 29-July 2, 2011
- Session 4 July 6-9, 2011
- Session 5 July 13-16, 2011
- Session 6 July 20-23, 2011



THE ADVENTURE BEGINS

Location: Kansas Cosmosphere and Space Center

- Investigate, construct, and launch a variety of rockets
- Train for the challenges of living and working in space using KAOS simulators: stress simulator, centrifuge, multi-axis trainer, and Mission Control
- Operate a Soyuz capsule used to train astronauts from around the world
- Learn the lessons of history in the Hall of Space Museum, housing an Apollo White Room, the lost spacecraft *Liberty Bell 7*, the Apollo 13 command module *Odyssey*, a flown Russian Vostok and many other U.S. and Russian space artifacts
- Tie it all together as your team flies a low Earth orbit mission in the Falcon III spacecraft simulator



space:201

Bridge to the Future

Entering at least
Grade 8

INFORMATION:

Price: \$775
35 participants per session

- Session 1 June 12-17, 2011
- Session 2 June 19-24, 2011
- Session 3 July 17-22, 2011
- Session 4 July 24-29, 2011



THE ADVENTURE CONTINUES...

Location: Kansas Cosmosphere and Space Center

- Challenge yourself at a dynamic ropes course
- Simulate microgravity through the magic of SCUBA
- Examine survival techniques for future journeys to alien worlds
- Analyze distant solar systems
- Observe the universe through state-of-the-art telescopes
- Explore the world of robotics
- Fly advanced missions in the Falcon III spacecraft simulator



For more information on any of the camps listed in this brochure, contact: education coordinator at 620.665.9323 or 800.397.0330 x323, or camps@cosmo.org, or visit us at www.cosmo.org.