Space Camp®

2016 PROGRAMS

Huntsville, AL, USA

spacecamp.com

SPACE CAMP

AVIATION CHALLENGE

SPACE CAMP ROBOTICS

AIR • LAND • SEA

TRAINING THE MARS GENERATION

MEET OUR ALUMNI

2016 GUIDE CONTENTS

"All one can really leave one's **children** is what's inside their heads. **Education**, in other words, and not earthly possessions **is the** ultimate **legacy**, the only thing that **cannot be taken away**."

— Dr. Wernher von Braun
NASA, Father of Apollo Moon Landing

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The U.S. Space & Rocket Center is the Official Visitor Center for NASA's George C. Marshall Space Flight Center and is an affiliate of the Smithsonian Institutition.

The U.S. Space & Rocket Center is operated by a commission appointed by the Governor of the State of Alabama, the Alabama Space Science Exhibit Commission. The U.S. Space & Rocket Center Foundation is an IRS 501 (c) (3) organization.

For information on Group Programs and Corporate Camps go to www.spacecamp.com.

NIKON IS THE OFFICIAL CAMERA OF SPACE CAMP®

On the cover:
2015 Space Camp® Hall of Fame members Elizabeth Keller Bierman and Bobak Ferdowsi

TRAINING FOR YOUR FUTURE

The U.S. Space & Rocket Center is home to the world-renowned Space Camp, Space Academy, Aviation Challenge Camp and Space Camp Robotics.

MESSAGE FROM OUR CEO

Our future in space is under development today in laboratories and manufacturing plants on Earth and onboard one very special lab orbiting 400 km above – the International Space Station. Marvels of modern engineering and technology are transforming how we think about space near the Earth and light years away. Space Camp® is proud to be a foundation of this transformation through our more than 700,000 alumni, many of whom are currently working at NASA and their commercial partners like SpaceX, Boeing, Lockheed Martin and Sierra Nevada Corporation.

Space Camp training is ready for these new horizons. This summer, new future missions await trainees: blasting off on NASA's Space Launch System or the United Launch Alliance Vulcan and resupplying the International Space Station. From commercial crew vehicles CST-100 and Dragon, to exploring Moon, Mars and near-Earth asteroids in Orion, these missions immerse trainees in the science and excitement of exploration.

With trainees from all 50 states and more than 60 international locations every year, Space Camp is a global exchange for ideas and inspiration. And with astronauts, current and former NASA engineers, fighter pilots and leading aerospace professionals stopping by, there is no telling who you will meet during your week of training.

Whether you are training to be an astronaut at Space Camp, an ace fighter pilot at Aviation Challenge ® or a pioneer of robotics on air, land and sea, these programs provide the leadership, technology, teamwork and critical thinking skills that will train and propel you on your journey to the future.

The adventure of your lifetime is calling. Come train with us for your future success.

Warmest regards,

Dr. Deborah Barnhart
Chief Executive Officer and Executive Director

Bio: Dr. Kate Rubins

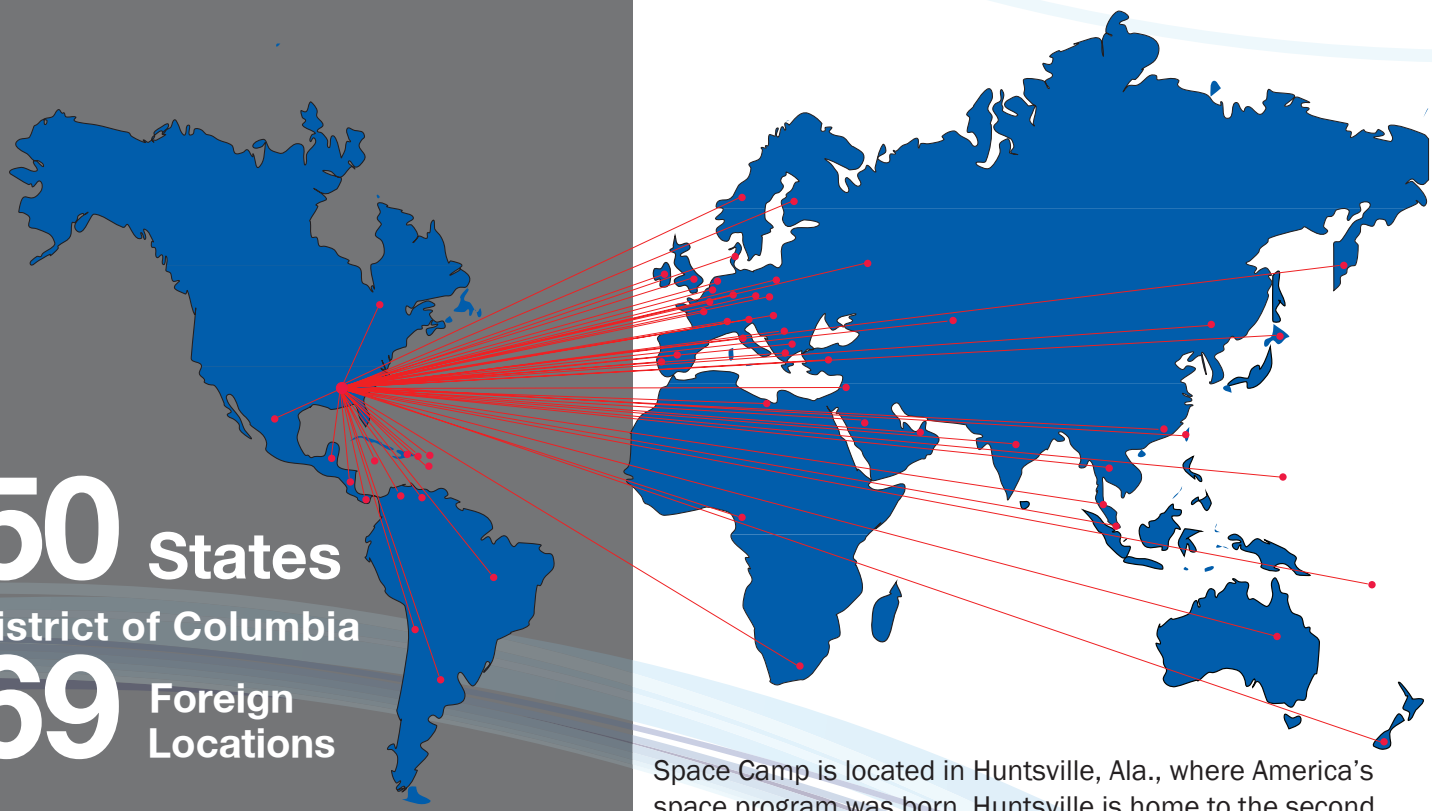
Astronaut and Space Camp Alumna

Napa, Calif.
Bachelor of Science, University of California, San Diego
Ph.D, Stanford University

Dr. Kate Rubins will be the third Space Camp® alumna to fly in space, with a scheduled launch to the International Space Station in the summer of 2016. Kate dreamed of becoming an astronaut as a child and did chores around the house to earn her trip to Space Academy® in seventh grade. She left camp knowing she needed to take as many math and science courses as she could, and that focus paved the way to her study of viral diseases and, ultimately, the NASA astronaut corps. Kate received a bachelor's degree in molecular biology and a Ph.D. in cancer biology. Selected by "Popular Science" magazine as one of its "Brilliant 10" in 2009, Kate was a Fellow and Principal Investigator at the Whitehead Institute for Biomedical Research at the Massachusetts Institute of Technology before becoming a member of the 20th NASA astronaut class.

The Center is the Official Visitor Center for NASA's Marshall Space Flight Center, an affiliate of the Smithsonian Institution, and the showcase for Redstone Arsenal and defense programs, including energy. Leading technology initiatives in aerospace and defense are showcased along with international space artifacts including the world's only complete space shuttle stack and a National Historic Landmark Apollo Saturn V moon rocket.

WHERE IN THE WORLD IS SPACE CAMP®?



50 States
District of Columbia
69 Foreign Locations

Space Camp is located in Huntsville, Ala., where America's space program was born. Huntsville is home to the second largest research park in the United States and the fourth largest in the world.

Once a tiny agricultural community, Huntsville boomed as Dr. Wernher von Braun and his team of rocket scientists arrived in 1950 to begin the work that ultimately took mankind to the moon. Huntsville is home to NASA's Marshall Space Flight Center, the place where the rockets that first put U.S. satellites into orbit were designed. It's where the space shuttle propulsion work was done and where the modules for the International Space Station were designed and built. Today, the Space Launch System, America's next great space ship, is being designed here.

SPACE CAMP
700,000 Alumni

JOURNEY TO THE FUTURE

Just as NASA is moving toward deep space exploration, so is Space Camp. The Mission Center Complex where Space Camp students of all ages train has all new Mars, lunar and asteroid missions as well as an updated mission control. In addition to these missions, our NASA grant-funded *ISS: Science on Orbit* exhibit gives trainees a true sense of what it's like to live and work in space. Trainees also experience a model of NASA's Payload Operations Integration Center, where scientists and engineers on Earth manage the complex, international science experiments that astronauts conduct on the International Space Station.

ASTRONAUT SPEAKERS EVERY WEEK IN THE SUMMER!

Dottie Metcalf-Lindenburger

First Space Camp graduate in space
STS-131 Discovery

Samantha Cristoforetti

ISS Expedition 42/43

Serena Aunon

NASA Astronaut Group 20

Kate Rubins

NASA Astronaut Group 20

Christina Hammock

NASA Astronaut Group 21

FIVE SPACE CAMP ASTRONAUT ALUMNI

SPACECAMP ALUMNI SURVEY

88%

Percentage of Space Camp graduates who took more STEM classes after attending camp

71%

Percentage of Space Camp graduates that chose a career field related to aerospace, technology, energy, defense, or biotechnology

66%

Percentage of Space Camp graduates who said their camp experience inspired their decision to enter a STEM field

Communications
Engineering
Healthcare
Information Technology
Legal Services
Military
Retired
Government
Student
Science Research
Leisure Hospitality
Public Safety
Technology
Computer Science
Administration
Communication
Business
Architecture
Aviation
Criminal Justice
Finance

MEET OUR ALUMNI

"Space Camp was truly my first introduction to flight operations, and I distinctly remember being the spacecraft systems officer in mission control and a mission specialist when I was in the space shuttle simulator. During both simulations we had to work as teams to overcome anomalies and accomplish the mission; no one camper could do everything at once. After my week at Space Camp, the idea of being part of a team operating spacecraft had taken root in my mind."

– **Mike Siebert**
Age attended Space Camp: 10

Education:
Bachelor of Science, Aerospace Engineering Sciences,
University of Colorado at Boulder
Master of Science, Engineering Space Operations,
University of Colorado at Colorado Springs

Occupation: Rover Driver and Lead Flight Director, Mars Exploration Rover Project,
Jet Propulsion Laboratory

SPACE EXPLORATION BADGE AVAILABLE

CONTACT US OR REGISTER ONLINE

website spacecamp.com/space
phone (800) 637-7223
(256) 837-3400
Visit spacecamp.com for information on earning Scout badges.

SPACE CAMP

Ages 9*-11 • Grades 4-6

**Nine year olds must have completed or currently be enrolled in the 4th grade.*

Suit up for a mission to the International Space Station or train for a moon landing! Space Camp is the ultimate aerospace experience. Throughout the week, crew trainers guide trainees through simulated astronaut training using equipment adapted from NASA's astronaut program. Briefings on the past, present and future of space exploration are conducted amid space artifacts to show students real-world applications of science, technology, engineering and math.

Activities

- Train on astronaut simulators, including Multi-Axis Trainer, the Five Degrees of Freedom Chair and the 1/6 Gravity Chair
- Build and launch rockets
- Experience movies in SpaceDome IMAX® or in the National Geographic Theater

Fast Facts

- Check-in: Sunday 2 p.m. - 4 p.m.
- Graduation: Friday 9 a.m.
- Fall/Winter/Spring: $899*
- Summer: $999*

*Includes a $50 non-refundable registration fee

Sleepaway package (any open sessions):

10% off each additional session; no early arrival or late departure fees charged for the weekend between sessions.

A DAY IN A LIFE AT SPACE CAMP

Sample Schedule

TIME	ACTIVITIES
7 a.m. – 8:30 a.m.	Prep for Day & Eat Breakfast
8:30 a.m. – 10 a.m.	Ride Spaceshot, G-Force & Climb the Mars Wall
10 a.m. – 11:30 a.m.	Leadership and Teambuilding Activities
11:30 a.m. – noon	Lunch in the Crew Galley
12:30 p.m. – 1:30 p.m.	Astronaut Training Simulator*
1:30 p.m. – 3 p.m.	Rocket Construction*
3:00 p.m. – 4 p.m.	IMAX® Movie Showing
4:00 p.m. – 5 p.m.	Simulated Mission Training*
5:30 p.m. – 6 p.m.	Dinner
6:30 p.m. – 7:30 p.m.	Learn the History of Space Flight
7:30 p.m. – 8:30 p.m.	Engineering Workshop*
8:30 p.m. – 10 p.m.	Call Home, Prep for Bed

**Activities vary for Aviation Challenge Camp and Robotics Programs*

SPACE ACADEMY

Ages 12-14 • Grades 7-9

Take the Space Camp adventure to the next level with Space Academy! Trainees experience firsthand the future of space travel and train to solve technically challenging anomalies in order to save their space mission. They practice clear communication through an activity in the Underwater Astronaut Trainer and put engineering skills to the test as they construct an ablative shield during the Thermal Design Challenge.

Activities

- Build and launch rockets
- Train on astronaut simulators, including Multi-Axis Trainer, the Five Degrees of Freedom Chair and the Manned Maneuvering Unit
- Experience the thrill of simulated space missions

Fast Facts

Check-in: Sunday 12 p.m. - 2:30 p.m.
Graduation: Friday 11 a.m.
Fall/Winter/Spring: $899*
Summer: $999*
*Includes a $50 non-refundable registration fee

ADVANCED SPACE ACADEMY

Ages 15-18 • Grades 10-12

Advanced Space Academy explores college and career preparation through an immersive experience in science, engineering, technology and math. Trainees experience a variety of astronaut training exercises, engineering challenges and teambuilding activities all culminating in an extended-duration simulated space mission. Trainees can choose between the Mission Specialist and Pilot tracks.

Activities

- Train like an astronaut on the Multi-Axis Trainer and the 1/6 Gravity Chair
- Design and build customized rockets and heat shields in engineering challenges
- Test skills in our Challenge Course teambuilding elements and high ropes challenges

Mission Specialist Track:

- Spacesuit Theory and Design
- SCUBA Spacewalk Training

Pilot Track:

- Centrifuge
- Jet Aircraft Simulations
- Survival Training

Fast Facts

Check-in: Sunday
12 p.m. – 2:30 p.m.
Graduation: Friday 11 a.m.

- Fall/Winter/Spring: $999*
- Summer: $1099*

*Includes a $50 non-refundable registration fee

THE UNIVERSITY OF ALABAMA IN HUNTSVILLE

*Students earn one hour of freshman-level general science credit from University of Alabama in Huntsville and receive information on how they may have the credit transferred to another college or high school to be part of an official transcript.**

MEET OUR ALUMNI

"As I straddled those ages when one is not quite a child yet not quite an adult, the counselors, peers and activities at Space Academy further fueled my goals and refined my focus of what I wanted to do in college and what career field I wanted to pursue. I am proud to say that I have now been a part of our amazing space program for 20 years. I have gone on to fly on the 'vomit comet,' to train John Glenn for his space shuttle mission and to see experiments I developed fly in space."

– **Niki Werkheiser**
Aged attended Space Academy: 14
Age attended Advanced Space Academy: 16

Education:
Bachelor of Science, Biology, University of Alabama in Huntsville
Bachelor of Arts, Russian Studies, University of Alabama in Huntsville
Master of Science, Biology, with an emphasis on Gravitational Biology, University of Alabama in Huntsville

Occupation: In-space Manufacturing Project Manager, NASA Marshall Space Flight Center

Sleepaway package (any open sessions): 10% off each additional session; no early arrival or late departure fees charged for the weekend between sessions.

International students entering the U.S. on a B1/B2 visa, or through the Visa Waiver Program, are not eligible to receive credit due to visa restrictions.

AVIATION CHALLENGE

Ages 9*-11 • Grades 4-6

**Nine year olds must have completed or currently be enrolled in the 4th grade.*

Mach I trainees explore the world of aviation from the cockpit of an F-18 Super Hornet simulator. Taking the role of a team of fighter pilots, trainees get experience in control systems and scenario-based missions and learn water and land survival skills. They learn the importance of teamwork building shelters together and taking part in a nighttime military-style training exercise.

Activities

- Master basics of flight in hands-on activities
- Test patrolling, teamwork and outdoor training in a SEAL Operation

Fast Facts

Check-in: Sunday 12 p.m. - 2:30 p.m.
Graduation: Friday 10 a.m.
Fall/Winter/Spring: $899*
Summer: $999*
*Includes a $50 non-refundable registration fee

Sleepaway package (any open sessions):

10% off each additional session; no early arrival or late departure fees charged for the weekend between sessions.

A DAY IN A LIFE AT AVIATION CHALLENGE

Sample Schedule

TIME	ACTIVITIES
7 a.m. – 8:30 a.m.	Prep for Day & Eat Breakfast
8:30 a.m. – 10 a.m.	F-18 Simulator Overview & Training
10 a.m. – 11:00 a.m.	Introduction to Land Survival Activity
11:00 a.m. – noon	IMAX® or National Geographic Theater Movie
Noon p.m. – 1:30 p.m.	Lunch
1:30 p.m. – 3 p.m.	F-18 Simulator Overview & Training
3 p.m. – 4 p.m.	Introduction to Patrolling Activity
4 p.m. – 6 p.m.	Water Activity
6 p.m. – 7 p.m.	Dinner
7 p.m. – 8 p.m.	Introduction to Drill & Ceremony Activity
8 p.m. – 9 p.m.	Teambuidling Activity
9 p.m. – 9:30 p.m.	Modern Air Systems
9:30 p.m. - 10 p.m.	Prep for Bed
10 p.m.	Lights Out & Bedtime

**Activities vary for Aviation Challenge Camp and Robotics Programs*

AVIATION CHALLENGE®

AVIATION BADGE AVAILABLE

CONTACT US OR REGISTER ONLINE

website spacecamp.com/space
phone (800) 637-7223
(256) 837-3400
Visit spacecamp.com for information on earning Scout badges.

MACH II

Ages 12-14 • Grades 7-9

Young leaders are tested at Aviation Challenge Mach II in their knowledge of aerodynamics and teamwork. Trainees take part in hands-on activities based on the design principles of modern air systems in flight simulators and go through air combat maneuvering training to prepare for mission scenarios. They also learn search and rescue skills to rescue a downed pilot.

Activities

- Experience g-force training in a centrifuge
- Learn basic land and water survival
- Enhance skills on the Challenge Course teambuilding elements

Check-in: Sunday 12 p.m. - 2:30 p.m.
Graduation: Friday 10 a.m.
Fall/Winter/Spring: $899*
Summer: $999*
*Includes a $50 non-refundable registration fee

MACH III

Ages 15-18 • Grades 10-12

Mach III missions challenge trainees with freedom of control, requiring them to think about maneuvers in all three rotational-axes of flight as they take on the most advanced flight simulations, engineering principles and leadership responsibilities. Field training is focused on discipline and attention to detail in survival situations. A final night SEAL Operations mission requires teams to work together to recover intelligence or rescue a downed pilot. Communication is paramount as everything is taken to the next level in Mach III.

Activities

- Fly simulators with tandem-seat cockpits
- Perfect advanced combat maneuvers that include navigation, air-to-ground and air-to-air engagement
- Experience the thrill of the simulated parachute water landing on a 150-foot zip line with real pilot harness fittings
- Climb the 32-foot pamper pole and zoom down a 300-foot zip line

Fast Facts

Check-in: Sunday 12 p.m. - 2:30 p.m.
Graduation: Friday 10 a.m.
Fall/Winter/Spring: $899*
Summer: $999*
*Includes a $50 non-refundable registration fee

Sleepaway package (any open sessions):

10% off each additional session; no early arrival or late departure fees charged for the weekend between sessions.

MEET OUR ALUMNI

"Advanced Space Academy was the turning point in my life because it was the first time I was on my own, and as a very shy kid this was a terrifying thought. However, my curiosity and excitement of learning about space as well as being surrounded by similar campers helped push me out of my comfort zone.

I went on to work at Aviation Challenge. That was a different kind of experience because it helped me realize I wanted to inspire and mentor others about space, aviation and STEM in general."

– **Joyce K. Greene**
Attended Advanced Space Academy: Ages 17 and 18
Attended Aviation Challenge: Age 22 as a Crew Trainer

Education:
Bachelor of Science, Applied Meteorology, Embry-Riddle Aeronautical University, Arizona
Master of Science, Space Studies, University of North Dakota

Your occupation: Weather Officer, United States Air Force

THE UNIVERSITY OF ALABAMA IN HUNTSVILLE

Trainees can earn one-hour of college credit in Introduction to Aeronautics (ENG 105) through the University of Alabama in Huntsville and receive information on how they may have the credit transferred to another college or high school to be part of an official transcript.

**International students entering the U.S. on a B1/B2 visa, or through the Visa Waiver Program, are not eligible to receive credit due to visa restrictions.*

SPACE CAMP ROBOTICS

Ages 9-11 • Grades 4-6

Space Camp Robotics trainees learn their ideas can become a reality as they use robotic technologies to create engineering solutions for real-world problems. Trainees work as a team to build and test their own designs in several air, land and sea challenges. The week culminates with a spirited contest as trainees test the robots they spent the week building, programming and testing.

Activities - Air • Sea • Land Robotics

- Design and built a robotic chassis
- Program robots to move and act
- Pilot robots in the lab and on the Challenge Table
- Learn to use binary, the language of machines
- Remotely fly aerostats
- Design, build, and pilot underwater robots using the SeaPerch ROV system

Fast Facts

Check-in: Sunday 2 p.m. - 4 p.m.
Graduation: Friday 9 a.m.
Fall/Winter/Spring/Summer: $699*
*Includes a $50 non-refundable registration fee
No other discounts apply.

Sleepaway package (any open sessions):
10% off each additional session; no early arrival or late departure fees charged for the weekend between sessions.

SPACE CAMP® ROBOTICS
AIR • LAND • SEA

ROBOTICS BADGE AVAILABLE

CONTACT US OR REGISTER ONLINE

website spacecamp.com/space
phone (800) 637-7223
(256) 837-3400
Visit spacecamp.com for information on earning Scout badges.

A DAY IN A LIFE AT SPACE CAMP ROBOTICS

Sample Schedule

TIME	ACTIVITIES
8:30 a.m. – 9:30 a.m.	Prep for Day & Eat Breakfast
9:30 a.m. – 10:30 a.m.	Teambuilding Activity
10:30 a.m. – 11:30 a.m.	Astronaut Simulators
11:30 a.m. – 12:30 p.m.	Building Activity
12:30 p.m. – 1 p.m.	Lunch
1 p.m. – 2 p.m.	IMAX® or National Geographic Theater Movie
2 p.m. – 3 p.m.	Building Activity
3 p.m. – 5 p.m.	Underwater Robotics
5:30 p.m. – 6 p.m.	Dinner
5:30 p.m. – 7 p.m.	Programming Activity
7:30 p.m. – 8:30 p.m.	Teambuilding Activity
8:30 p.m. – 9:30 p.m.	Electronics Projects
9:30 p.m. - 10 p.m.	Prep for Bed
10 p.m.	Lights Out & Bedtime

ROBOTICS ACADEMY

Ages 12-14 • Grades 7-9

The academy-level robotics program takes it to the next level for the next generation of engineers, designers and gear heads with real-world applications of science, technology, engineering and math. Hands-on sessions in robot chassis design and building algorithms, remote-control design and operation, and aerial drone operations make for an exciting adventure. Trainees focus on teamwork as they learn what it's like to engineer and design robots on land, in the air and underwater with state-of-the-art materials. The week culminates with trainees competing to complete tasks on a Challenge Table using robots they spent the week building, programming and testing.

Activities

- Program robots to interact with the world using a variety of sensors and motors
- Design and build a robotic chassis
- Master maintaining satellite connections and managing wireless signals in order to control and pilot robots on the Challenge Table
- Choose from optional lessons such as building robotic attachments, programming with sensors and data functions, or using both tactile and touch-less Human Interface Devices
- Use the binary number system and basic logic functions to understand how machines "think"
- Remotely fly quadcopters
- Design, build, and pilot underwater robots, using the SeaPerch ROV system

Fast Facts

Check-in: Sunday 12 p.m. - 2:30 p.m.
Graduation: Friday 9 a.m.
Fall/Winter/Spring/Summer: $699*
*Includes a $50 non-refundable registration fee
No other discounts apply

Sleepaway package (any open sessions):
10% off each additional session; no early arrival or late departure fees charged for the weekend between sessions.

MEET OUR ALUMNI

"I began my six years at Space Camp by first attending Aviation Challenge because I thought I wanted to be a pilot. I had a great time at Aviation Challenge, but when I heard former NASA astronaut Don Thomas talk at graduation, his story inspired me to try Space Camp. I went on to attend Space Camp multiple times and it became like a second home to me. What I learned about space exploration sparked my desire to research all I could on the subject. My time at Space Camp also kept me interested in science in school, and I took as many courses in engineering and science as I could. I also used what I learned about the International Space Station to design a tool that won the Future Engineers 3-D Printing in Space Tool Challenge, and my winning design will be printed aboard the ISS. I'm now pursuing a degree in aerospace engineering and want to go on to work for NASA and eventually to become an astronaut."

– **RJ Hillan**

Education:
Freshman at University of Alabama in Huntsville, Aerospace Engineering

Awards:
Won the Future Engineers 3-D Printing in Space Tool Challenge

MEET ONE OF OUR CREW TRAINERS

"Although the technical aspect of my career is wonderful, nothing is more fulfilling than watching children believe in themselves. I knew being a crew trainer would give me the opportunity and tools to affect young minds.

I really enjoy seeing the authentic excitement of the trainees' faces when they walk into the Saturn V Hall and see the Saturn V Moon Rocket on display. I always turn around and snap a picture of them when they walk in. It's priceless. Also, the other crew trainers are so much fun to work with. All those who work for this cause are genuinely good people. It's so rare to find so many great people in one location."

– **Paramita Mitra**

Education: Bachelor of Science in Aerospace Engineering (Astronautics), Mississippi State University; Currently pursuing a Master of Science in Aerospace Engineering (Human Factors), Mississippi State University

Occupation: NASA Marshall Space Flight Center; Flight Test Engineer Intern at FMS Aerospace; Space Camp Crew Trainer

FAMILY CAMP

Ages 7 to 100

Bring the entire family! Whether in astronaut or fighter pilot training, parents, grandparents, children and extended family enjoy the experience of a lifetime at Family Camp.

Families train as astronauts in Space Camp as they work together as a team during rocket construction and explore one of the world's largest spacecraft collections.

Aviation Challenge Family Camp provides families an opportunity to test their mettle in fighter pilot training as they compete in the King of the Hill competition.

Lodging is on-site in our Habitat facilities, and meals are served in the Space Camp Crew Galley. For a family weekend getaway or for a unique family reunion, this camp provides treasured memories that will last a lifetime.

Space Camp Activities

- Simulated mission to the International Space Station
- Astronaut simulators, including Multi-Axis Trainer, the Five Degrees of Freedom Chair and the Manned Maneuvering Unit
- Spacedome IMAX® or digital movies in the National Geographic Theater

Aviation Challenge Activities

- Land and water** survival training
- Fighter jet simulations
- Spacedome IMAX® or digital movies in the National Geographic Theater

Fast Facts

Three-day Family Camp is offered year-round on most weekends. The extended four-day family program is offered on selected holiday weekends. Visit spacecamp.com for dates.

Check-In (both three- and four-day): Friday 11 a.m. – 1 p.m.
Graduation: three-day programs - Sunday 11 a.m.
four-day programs: Monday 11 a.m.

Three-day Family Camp: Space Camp and Aviation Challenge
$948* pair / $1247* for three / four or more $349 each additional

Four-day Family Camp/ Space Camp only
$1048* pair / $1397* for three / four or more $399 each additional
*Includes a $50 non-refundable registration fee

**Summer only

SPACE ACADEMY FOR EDUCATORS

Space Academy for Educators is the most exciting professional development on the planet.

SAE brings together the excitement of simulated space missions with the real-world applications and lesson plans teachers need to inspire their students in science, technology, engineering and mathematics.

Educators spend five days crafting engaging lesson plans, networking with fellow teachers, and participating in workshops that merge NASA content with hands-on activities.

While at SAE, educators also discover resources for building their own activities, tap into a network of committed colleagues eager to share ideas and best practices and learn in an immersive environment where "failure is not an option."

Activities

- Work with NASA-developed lesson plans
- Scale lesson plans to fit your classroom
- Adapt hands-on activities correlated to national standards
- Train like an astronaut
- Meet an astronaut
- Build and launch rockets
- Develop camaraderie and communication skills on the low ropes course

Fast Facts

Dates: Offered in June and July; check spacecamp.com/educators for dates and availability

Tuition: Includes food, program materials, flight suit and housing on the campus of the University of Alabama in Huntsville with daily transportation to and from the dormitory to the U.S. Space & Rocket Center.

Professional Learning: Receive up to 45 hours of continuing Professional Learning Units (PLU)

Graduate Credit: Eligible to apply for three credit hours from the University of Alabama in Huntsville

Check in: From 4-8 p.m. at UAH the day prior to start of camp

Graduation: The evening of the last day of camp

Travel arrangements: Airport pick up/drop off service available from Huntsville International Airport

Price: $949*

*Includes a $50 non-refundable registration fee

Visit http://www.spacecamp.com/space/educators or email questions to education@spacecamp.com

MEET OUR ALUMNI

"Space Academy changed my life forever, personally and professionally. I saw real-world examples of how math and science should be integrated together and in a fun way that made sense. The engineering design challenges and rocketry lessons at camp were phenomenal. I found myself wondering 'where has this been all my life?' I was having so much fun and learning as an adult that I couldn't wait to get back and implement these projects with my students.

I revamped the entire way I taught. Everything became hands-on, and I integrated space content into all the topics that I taught. Reading, writing, research and math were all integrated into projects as well. My students were more engaged, I had higher attendance numbers and I was having a blast, too!"

– **Kaci Heins**

Attended camp: 2010 as a part of Honeywell's Educators @ Space Academy
2012 with Honeywell's Advanced Space Academy
2015 as a Honeywell Ambassador for Honeywell's Educators @ Space Academy
2015 Family Space Camp with 7-year-old son

Education: Bachelor's Degree in Elementary Education with an emphasis on science, Southeast Missouri State University
Master's Degree in Secondary Education with an emphasis in technology, Southeast Missouri State University
Occupation: Sixth-grade science teacher.

STEMcon Scholarships

Teachers in Marshall Space Flight Center's five-state region - Alabama, Arkansas, Iowa, Missouri and Tennessee - are eligible to apply for scholarships to attend a four-day professional development session featuring NASA-focused STEM content and resources.

The Space Academy program provides 32 hours of intensive classroom, laboratory and training time. During the program, educators participate in astronaut-style training and simulations, along with activities designed to promote life-long learning. All lessons and activities are ready to use in various educational settings and are correlated to Next Generation Science Standards and other national standards.

Funding for this program is provided by a grant from the NASA Competitive Program for Science Museums and Planetariums. The scholarship includes tuition, meals, lodging, lesson materials and a limited stipend to help offset travel expenses.

Questions: education@spacecamp.com

College Scholarship for Space Camp Grads

The STEM for Space college scholarship program is a partnership between the U.S. Space & Rocket Center, Dr. Owen K. Garriott, former Skylab astronaut, and his family with the mission of promoting the attainment of college-level STEM degrees.

A portion of this endowment will be held especially for Space Camp alumni, giving our trainees yet another reason to follow the dreams they launch at Space Camp.

Selection Criteria:

- *Preference for an applicant who is an alumnus of Space Camp® at the U.S. Space & Rocket Center.*
- *Applicant must have declared a major in a STEM discipline.*
- *The awards shall be based on academic merit.*

CAMP SCHOLARSHIPS

The U.S. Space & Rocket Center holds an annual scholarship competition each fall for students who want to attend a weeklong Space Camp, Aviation Challenge Camp or Space Camp Robotics. The competition opens mid-September and applications are due Dec. 14, 2015. Applicants may apply in one of four categories: Financial Need; Special Needs; Academic Achievement; or Leadership. Each applicant must answer two essay questions, design a mission patch, describe a science project using the scientific method, and provide three letters of recommendation.

A selection committee reviews applications and scholarships are awarded based on available funding. Winners are notified in March. To apply, visit spacecamp.com/scholarships.

You can make a child's dream come true by contributing $1,000 to the General Scholarship Fund through the U.S. Space & Rocket Center Foundation, a 501(c)(3) organization. Donors may also establish an endowed scholarship or a memorial scholarship. To make your tax-deductible donation, visit spacecamp.com/scholarships.

For more information
Apply for a scholarship or donate to the General Scholarship Fund by visiting spacecamp.com/scholarships.

PARENT INFORMATION

Crew trainers complete extensive training and background evaluation and are certified in safety and program curriculum.

SAFETY AND SECURITY
- Uniformed security guards on premises 24/7 and on-site in Habitat during nights and evenings.

HABITATS
- Trainees are housed in Space Habitat bays of seven beds or larger Habitat bays of 20 – 40 beds.
- Blankets, sheets and pillowcases are provided for our weeklong trainees.
- Towels and washcloths are not provided.
- Lockers are in each room. Trainees must provide their own padlock.

SPECIAL ACCOMMODATIONS
- Special effort is made to accommodate trainees with special needs, including hearing or visually-impaired, those with special dietary requirements or trainees in wheelchairs.
- Advanced notice is required for special accommodations.

MEALS
- Breakfast, lunch and dinner are provided daily in the Space Camp Crew Galley.
- Meals are all-you-can eat, and we offer a non-repeating international menu of foods.
- We are very experienced in accommodating trainees with special dietary needs. Call (256) 837-3400 or email specialdiets@spacecamp.com. (Four-week advanced notification required for special dietary requests.)

CREW TRAINERS
- Complete extensive training and certification in simulator safety, program fundamentals and age characteristics.
- Have a minimum of 30 hours of college.
- Are at least 20 years old.
- Have experience working with young people.
- Pass background and drug tests.

PAYMENT INFORMATION
- A $50 non-refundable registration fee and 50 percent of the camp price is due upon booking. The balance must be paid in full 60 days prior to camp check-in date.

CANCELLATION POLICY
- We realize that situations may arise that require cancellation. Please visit www.spacecamp.com or call (800) 637-7223 for our full policy.

REGISTRATION & CONFIRMATION
- You may register online at www.spacecamp.com or by calling (800) 637-7223 or (256) 837-3400. After registration, you will receive an email confirmation with necessary information.
- Health and transportation forms will be required in order to attend camp. These forms may be filled out via our website; details will be in the email confirmation.

TRAVEL
- Space Camp and Aviation Challenge Camp and Space Camp Robotics are located approximately 10 miles from the Huntsville International Airport.
- Transportation to and from the Huntsville International Airport (HSV) is available for trainees for $25 round-trip.
- Trainees are greeted at their gate by our uniformed staff members and transported directly to Space Camp.
- Early arrival and late departure options are available for trainees whose travel schedule requires them to arrive a day early or depart a day later; please call (800) 637-7223 or (256) 837-3400 for details.

SPACE CAMP · AVIATION CHALLENGE · SPACE CAMP ROBOTICS AIR • LAND • SEA

OFFICIAL SPACE GEAR®

YOUR ONE STOP SHOP FOR ALL **THINGS** SPACE

$90 AUTHENTIC FLIGHT SUIT

Order the official flight suit for your Space Camp®, Space Academy® or Aviation Challenge® Camp adventure! These flight suits are representative of what real astronauts and jet fighter pilots wear and both come with official patches and your personalized leather name badge!

Flight suit Youth sizes: 10-20, Adult sizes: S-XXL

$90 CLOTHING SET

We've combined our most popular clothing into one complete package! Tops are customized with the logo from your camp program. Space Camp set includes T-shirt, shorts, hooded sweatshirt, sweatpants and a backpack. Aviation Challenge Camp set includes T-shirt, hooded sweatshirt, camouflage pants and a knapsack.

Space Camp Youth size: L, Adult sizes: S-XXL
Aviation Challenge Camp Youth size: L, Adult sizes S-XXL

**In the event a style shown is not available, a comparable item will be substituted.*

All clothing ordered will be distributed at camp. When placing your order, please provide size. Upon arrival, all trainees are sized to ensure proper fit.

$12 each CUSTOM TEAM PATCHES

(available after registration)

The team patch will be customized with the team members' names. Patches may be pre-ordered or ordered by the trainee at camp. Patches will be ready at graduation.
Available only for weeklong camps.

$30 each PHOTO DVD

(available after registration)

Want to see all of the activities your trainee participated in while at camp? Each crew trainer will take pictures throughout the week and the DVDs will be ready at graduation.
Available only for weeklong camps.

CONTACT US OR ORDER ONLINE

website spacecampstore.com
phone (800) 637-7223 or (256) 837-3400

RocketCenterUSA