

U.S. Space & Rocket Center® Programs

GUIDE FOR TRAINEES - 2012



**LAUNCHING
DREAMS**

**PLAN A
FIELD TRIP
THAT'S
OUT OF
THIS
WORLD!**

★ WEEKEND ESCAPES

FAMILY CAMP - ★
GREAT DESTINATION
FOR FAMILY MEMORIES

**OFFICIAL
SPACE
GEAR®**

back cover
For optimal enjoyment!

52 WEEKS OF
CAMP ADVENTURES

➔ **TRAIN...**
like an astronaut
at Space
Camp



➔ **FLY...**
like a fighter pilot at
Aviation
Challenge



➔ **CAMP...**
it's not just
for the kids



Launching Dreams

Every dream begins with a challenge. At Space Camp® and Aviation Challenge®, our mission is to inspire children and adults alike to develop the skills that are necessary to fulfill their dreams. Whether those dreams are of one day traveling to Mars, piloting the cutting-edge technology in aviation, or making ground-breaking discoveries in the laboratory, Space Camp aims to provide the skills for success. Against a backdrop of science and math education, our programs teach our trainees important lessons about teamwork, leadership, and creative problem solving to achieve a common goal.

The programs and facilities at Space Camp provide trainees with unique opportunities you will find nowhere else. The simulators and mission hardware that the trainees use are both state-of-the-art and authentic to the real-life design of actual NASA and U.S. military vehicles and simulators. Learning the history of space exploration and aviation is a key element of our programs. By using the largest collection of space artifacts in the world, our well-trained, enthusiastic crew trainers teach our trainees about extraordinary men and women and the challenges they overcame to help mankind reach the stars.

But perhaps the most important experience that Space Camp and Aviation Challenge trainees have is working with their teammates. Every year, over 32,000 people from across the nation and around the world come to Space Camp, and every year I am amazed and inspired by the stories of friendship that come from our mission teams. Whether they are from Sydney or Dubai, Atlanta or Los Angeles, our trainees learn how to achieve their goal despite their differences, and form friendships that last a lifetime.

At Space Camp and Aviation Challenge, you will learn what it's really like to train to be an astronaut or a fighter pilot. You will experience the thrill of lift-off and the exhilaration of completing the mission with your team. You will experience microgravity or learn the methods to survive a crash landing. Most importantly, you will meet other extraordinary people and learn teamwork and leadership skills that will last a lifetime.

So, come join our crew. Take the challenge at Space Camp and Aviation Challenge and start the journey to make your dreams a reality.

Dr. Deborah E. Barnhart



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www.spacecamp.com

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Our most advanced aviation
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MUSEUM/GROUPS
GROUPS

ADULT CAMP

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AVIATION CHALLENGE

FAMILY CAMP

SPACE CAMP

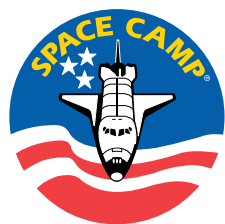
EDUCATOR CAMP

PARENT INFO

SPACE camp



DID YOU KNOW? Space Camp is celebrating its 30th anniversary in 2012 and has 1/2 million graduates – including 3 astronauts



spacecamp.com

Are you ready for liftoff?

Space Camp Trainees put their skills to the test as they train to live and work in space and take command of their own simulated space shuttle missions.

Space Camp® is a life changing experience! Space Camp inspires trainees to pursue more Science, Technology, Engineering and Math (STEM). Its home is at the U.S. Space & Rocket Center® which is also the official visitor center for NASA's Marshall Space Flight Center.

During the week, crew trainers guide trainees through the past, present and future of space exploration. Trainees see the first rocket that put an American in space, the massive Saturn V rocket that took us to the Moon, and the capsules early astronauts used during their missions.

Trainees climb the tallest mountain on Mars on our Mars Climbing Wall and experience 4 G's of lift off force on the Space Shot™ simulator. They get an astronaut's eye view of the earth while watching amazing films in our IMAX® Spacedome Theater and Digital 3D Movie Theater.

SPACE TRACK:

- Space Missions
- Mars Mission
- 10 Hours of History
- 8 Hours of Experiments
- Astronaut Simulators
- IMAX® or 3-D Movies

Choose your track!
(summer only)

ROBOTICS TRACK:

- 1 Space Mission
- 14 Hours Robotics
- Design, Engineering Teamwork
- Teamwork
- LEGO® Robotics Competition
- Astronaut Simulators

AVIATION TRACK:

- Jet Fighter Simulations
- Land Survival
- Hands-on Aircraft
- Aviation Principles
- 1 Space Mission
- Astronaut Simulators

COST:

Fall/Winter
September 25, 2011 –
February 18, 2012
\$749/person

Spring

February 19, 2012 –
May 21, 2012
\$849/person

Summer

May 22, 2012 –
August 18, 2012
\$949/person

Fall/Winter

August 19, 2012 –
September 29, 2012
\$749/person

Fast Facts...

CHECK-IN: Sunday 2 – 4 p.m.

GRADUATION: Friday morning

GRADES: 4 – 6

AGES: 9* – 11

All registrations include a \$50 non-refundable registration fee.



AVIATION challenge MACH I



DID YOU KNOW? Scouts can earn credit toward their space, aviation or robotics merit badges during their time here



aviationchallenge.com

Are you up to the challenge?

Aviation Challenge Trainees fly high performance jet simulators used by military fighter pilots and test their mettle during water survival training and high ropes challenges.

Aviation Challenge® MACH I trainees explore the fascinating realms of flight! From Bernoulli's Principle to Newton's Laws of Motion, MACH I students experience a classroom unlike any other.

Trainees get up close and personal with our extensive aircraft collection. They practice wilderness survival skills while learning shelter building and food procurement.

Trainees learn teamwork and leadership through our interactive activities that challenge, educational, and fun.

This is a military-style program that uses simulated, realistic combat scenarios.

COST:

Fall/Winter

September 25, 2011 –
February 18, 2012
\$749/person

Spring

February 19, 2012 –
May 21, 2012
\$849/person

Summer

May 22, 2012 –
August 18, 2012
\$949/person

Fall/Winter

August 19, 2012 –
September 29, 2012
\$749/person

FLIGHT SIMULATORS:

- Take-off and Landing
- Air to Air Training
- Navigational Training
- Simulated Missions
- Air to Ground Training
- Teamwork

AVIATION PRINCIPALS:

- Forces of Flight
- Aviation Weather
- Control Surfaces
- Teamwork
- Propulsion

LAND SURVIVAL SKILLS:

- Land Survival
- Water & Food Procurement
- Fire & Shelter Building

Fast Facts...

CHECK-IN: Sunday 12 – 2:30 p.m.

GRADUATION: Friday morning

GRADES: 4 – 6

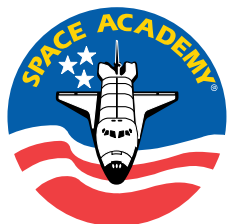
AGES: 9* – 11

All registrations include a \$50 non-refundable registration fee.

SPACE academy



DID YOU KNOW? Trainees attending Space Camp in the summer can add an aviation or robotics track to their program



spacecamp.com

A week at Space Academy is an intense experience designed to immerse middle school students or trainees, in the science and technology of the space program.

Space Academy® incorporates real world applications of Science, Technology, Engineering and Math (STEM). Trainees will prepare to become the new generation of lunar explorers, with hands-on activities that place them in the role of spacecraft designers and astronauts on the Moon.

Trainees experience walking on the moon in our 1/6th Gravity Chair and feel what it's like to work in a frictionless environment in our Manned Maneuvering Unit. They'll build and launch (weather permitting) a two-stage rocket and learn teamwork and leadership at Area 51, our leadership reaction course.

Trainees will face exciting challenges in our Space Station Mission Complex. Technically challenging anomalies will task trainees to use all their knowledge and critical thinking skills to solve the problem and save the mission!

- Teamwork
- Robotics Competition
- Astronaut Simulators
- Design, Engineering Teamwork

AVIATION TRACK:

- Jet Fighter Simulations
- Land Survival
- Hands-on Aircraft
- Aviation Principles
- 1 Space Mission
- Astronaut Simulators

Upon request tracks are offered September through May with a minimum number of 12 needed for consideration.

COST:

Fall/Winter

Sept. 25, 2011 –
February 18, 2012
\$749/person

Spring

February 19, 2012 –
May 21, 2012
\$849/person

Summer

May 22, 2012 –
August 18, 2012
\$949/person

Fall/Winter

August 19, 2012 –
Sept. 29, 2012
\$749/person

Fast Facts...

CHECK-IN: Sunday 12 – 2:30 p.m.

GRADUATION: Friday morning

GRADES: 7 – 9

AGES: 12 – 14

All registrations include a \$50 non-refundable registration fee.

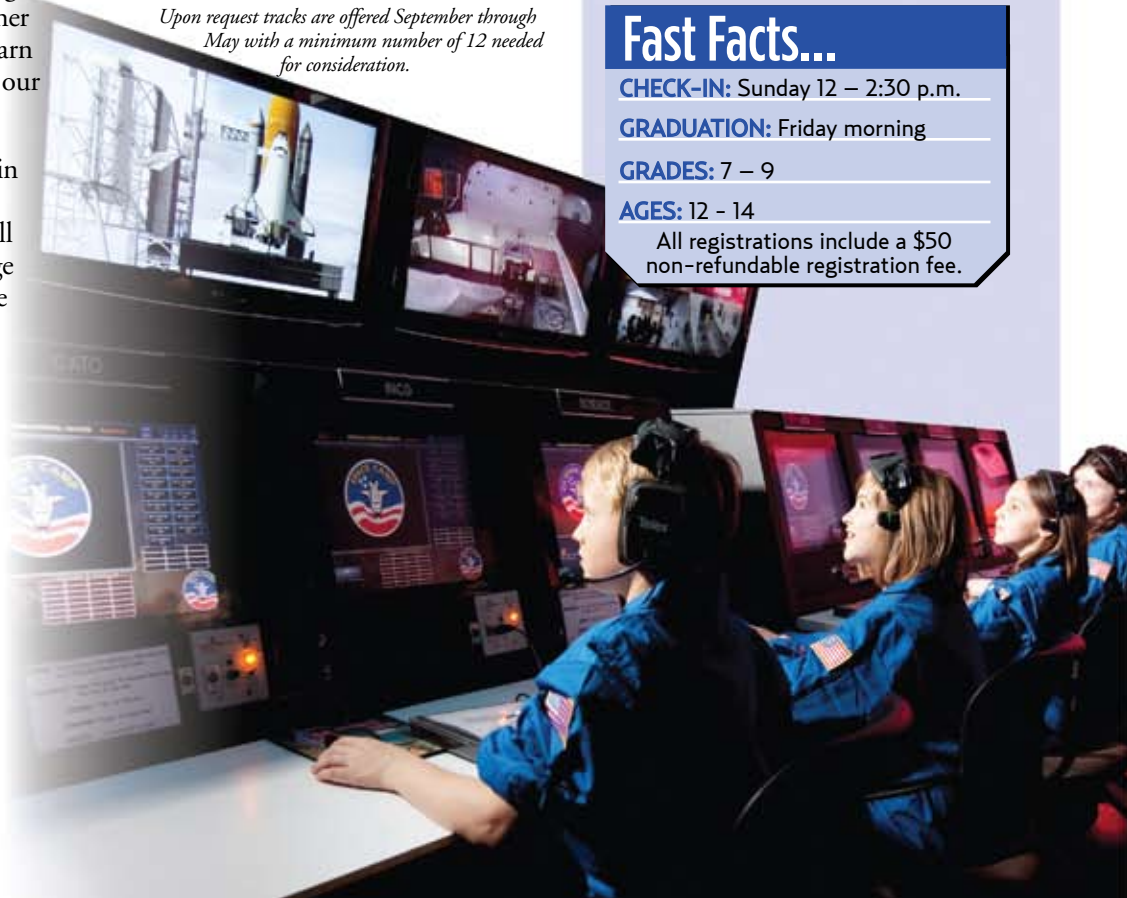
SPACE TRACK:

- Space Missions
- IMAX® or 3-D Movies
- 10 Hours of History
- 8 Hours of Experiments
- Rocket Construction
- Astronaut Simulators

Choose your track!
(summer only)

ROBOTICS TRACK:

- 1 Space Mission
- 14 Hours Robotics



AVIATION challenge

MACH II

DID YOU KNOW? Each week there is a Top Gun competition and a Top Gun Award



aviationchallenge.com

Fly more complex simulators and sharpen skills in Aviation Challenge Mach II. Learn pride, professionalism, and leadership as our crew trainers lead students through team building activities.

Fast Facts...

CHECK-IN: Sunday 12 - 2:30 p.m.

GRADUATION: Friday morning

GRADES: 7 - 9

AGES: 12 - 14

All registrations include a \$50 non-refundable registration fee.

Middle school trainees take on different challenges as they fly head to head against other squadrons in our high performance complex simulators in MACH II. They learn teamwork, leadership and professionalism on our Leadership Reaction Course.

Trainees are put through the paces of wilderness and water survival training where they learn shelter building and food procurement. Trainees experience the force of 3 Gs in our one-of-a-kind centrifuge trainer.

Along with teamwork, trainees learn about flight physiology, aeronautics, propulsion, history, aerodynamics and the fundamentals of flight.

FLIGHT SIMULATORS:

- Take-off and Landing
- Air to Air Training
- Navigational Training
- Simulated Missions
- Air to Ground Training
- Teamwork

AVIATION PRINCIPALS:

- Bernoulli's Principles
- Centrifuge Simulator
- Newton's Laws of Motion
- Teamwork
- Flight Physiology

This is a military-style program that uses simulated, realistic combat scenarios.

COST:

Fall/Winter

September 25, 2011 -
February 18, 2012
\$749/person

Spring

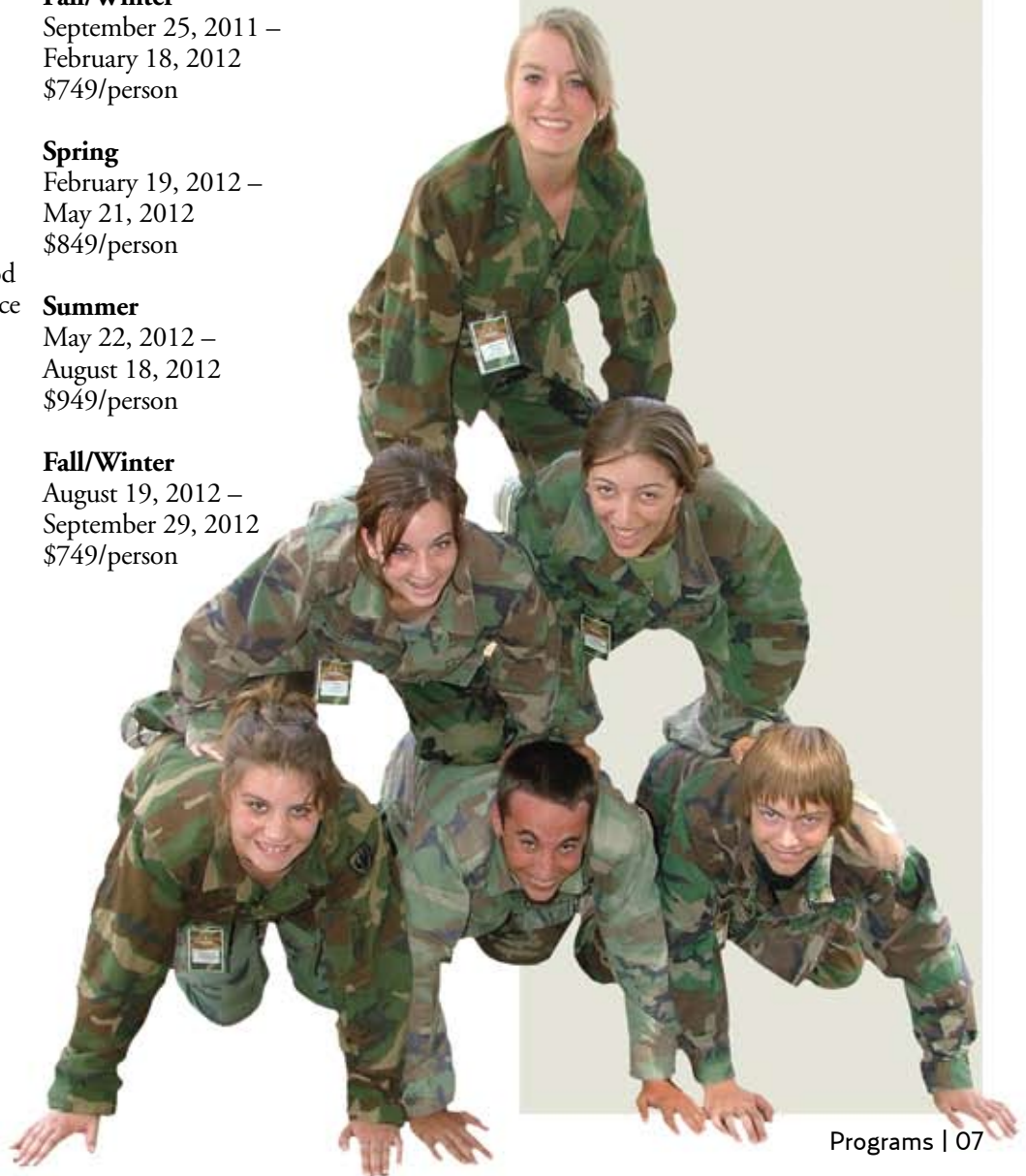
February 19, 2012 -
May 21, 2012
\$849/person

Summer

May 22, 2012 -
August 18, 2012
\$949/person

Fall/Winter

August 19, 2012 -
September 29, 2012
\$749/person



SPACE advanced academy

DID YOU KNOW? Students will earn one hour of freshman-level college credit from University of Alabama-Huntsville



spacecamp.com

Advanced Space Academy challenges high school trainees, in the science and technology of the space program.

Advanced Space Academy® trainees are immersed in science, technology, engineering and math (STEM) while focusing on college and career preparation. Extended-duration missions give trainees more teamwork experience to prepare them for real world leadership and teamwork.

During this week long program, trainees get hands-on training, as well as learn about the mental, emotional and physical demands astronauts, engineers and technologists must face. Trainees experience microgravity in our Underwater Astronaut Trainer* and a tumble in our Multi-Axis Trainer.

The Advanced Space Academy program is a college-accredited program through the University of Alabama-Huntsville (UAHuntsville). Students earn one hour of freshman-level general science credit. Students also receive an information sheet explaining how they can have the credit transferred to another college or even their high school to be part of their official transcript.

Choose your track! (year-round)

MISSION SPECIALIST TRACK:

- Space Suit Theory and Design
- Space Physiology
- Scuba Space-Walk Training

PILOT TRACK:

- Aeronautic Design
- Jet Aircraft Simulations
- Orbital Mechanics

COST:

Fall/Winter

September 25, 2011 –
February 18, 2012
\$749/person

Summer

May 22, 2012 –
August 18, 2012
\$949/person

Spring

February 19, 2012 –
May 21, 2012
\$849/person

Fall/Winter

August 19, 2012 –
September 29, 2012
\$749/person



Fast Facts...

CHECK-IN: Sunday 12 – 2:30 p.m.

GRADUATION: Friday morning

GRADES: 10– 12

AGES: 15 – 18

All registrations include a \$50 non-refundable registration fee.

**Certain medical restrictions may prohibit the trainee from Scuba diving.*

AVIATION challenge **MACH III**

DID YOU KNOW? MACH III Trainees slide down our 150-ft zip-line to simulate a parachute water landing



aviationchallenge.com

Learn more about aviation principles in our aeronautics and aerodynamic lectures. Advanced simulators help reinforce teamwork and communication while building realistic piloting skills.

High school trainees are challenged in the fields of aerodynamics, aeronautics and jet propulsion when they experience our most advanced aviation program, MACH III. Hands-on learning activities and instruction give trainees an understanding of the basics of flight physiology and wilderness survival. Trainees receive authentic pre-briefings and the basics of aeronautics and aviation.

Advanced simulators reinforce leadership, teamwork and decision-making while building realistic piloting skills. Trainees slide down our 150-ft zip-line to simulate an aircraft bailout and landing with escape and evade enemies during a Seal Ops Mission.

MACH III pilots learn what it takes to stand up to the challenge as they prepare for deployment on an extraordinary mission.

FLIGHT SIMULATORS:

- Take-off and Landing
- Air-to-Air Training
- Navigational Training
- Simulated Missions
- Air-to-Ground Training
- Teamwork

AVIATION PRINCIPALS:

- Aerodynamic Lectures
- Flight Physiology
- Aeronautic Lectures
- Centrifuge Simulator
- Airport Operations
- Teamwork

LAND SURVIVAL SKILLS:

- Land Survival
- Fire & Shelter Building
- Water & Food Procurement
- Orienteering

This is a military-style program that uses simulated, realistic combat scenarios.

COST:

Fall/Winter

September 25, 2011 –
February 18, 2012
\$749/person

Spring

February 19, 2012 –
May 21, 2012
\$849/person

Summer

May 22, 2012 –
August 18, 2012
\$949/person

Fall/Winter

August 19, 2012 –
September 29, 2012
\$749/person



Fast Facts...

CHECK-IN: Sunday 12 – 2:30 p.m.

GRADUATION: Friday morning

GRADES: 10 – 12

AGES: 15 – 18

All registrations include a \$50 non-refundable registration fee.

FAMILY CAMPS

AGES 7 - 14



DID YOU KNOW? You can make a life-time memory with your family in one weekend



spacecamp.com

Bring one of more family or friends. Together, you will fly missions, explore the past, present and future of space flight.

Whether in astronaut training or a fighter pilot experience, parents can enjoy a weekend of Family Camp with their child or children between the ages of seven and 14.

Family Space Camp encompasses mission training and operations, rocket construction and space history in one of the world's largest space history museums.

Family Aviation Challenge is geared toward fighter pilot training, with survival skills and flight simulators. Trainees work together to conquer take-off and landing skills in our fighter jet simulations.

All of the Family Camps include lodging in our camp habitat, and meals on-site in our Crew Galley.

THREE DAY

- \$399 per person
- \$798 pair
- \$1048 for three
- \$1198 for four

FOUR DAY

- \$449 per person
- \$898 pair
- \$1198 for three
- \$1398 for four

Fast Facts...

CHECK-IN: Friday 11 a.m. – 1 p.m.

GRADUATION: 3-Day, Sunday 11 a.m.

4-Day, Monday 11 a.m.

GRADES: 2 - 9 **AGES:** 7 - 14 (Children)

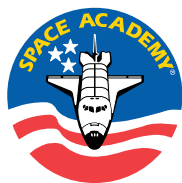
OTHER CAMPS: Aviation Challenge

There is an additional \$50 registration fee per family.

ADULT ACADEMY



DID YOU KNOW? Always wanted to come to Space Camp? It's never too late



spacecamp.com/adult

Enjoy a fun-filled weekend program that features astronaut training on simulators such as our 1/6th Gravity Chair and Multi-Axis Trainer.

Adult Space Academy is an exciting three-day experience where trainees alternate roles in our hands-on, interactive space mission and learn what it's like to train as an astronaut!

The weekend program includes model rocket construction and launch (weather permitting), training on our Astronaut

Simulators, including our 1/6th Gravity Chair and Multi-Axis Trainer, plus space-flight history education on-site in one of the world's largest space museums!

Adult Space Academy is the ultimate experience for anyone who has wondered what it's like to train as an astronaut or have a vital role in mission control.

Sessions for Adult Space Academy are held in the late summer and early fall and spots are limited for the program. Lodging and meals are included in the tuition. Lodging is on-site in our habitat, and meals are on-site in the Crew Galley.

COST

\$549/person

Fast Facts...

CHECK-IN: Friday 12 p.m. – 1 p.m.

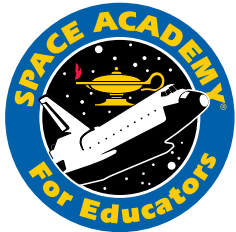
GRADUATION: Sunday 11 a.m.

There is an additional \$50 registration fee per family.

EDUCATOR ACADEMY



DID YOU KNOW? Space Academy for Educators provides graduate credit or CEUs



spacecamp.com/educators

Each day is packed with astronaut training, missions, workshops and activities designed to be implemented in your classroom with minimal preparation.

Space Academy for Educators is the perfect opportunity to bring together the excitement of simulated space missions with the experience you need to help inspire your students to become the next generation of explorers!

Educators spend an intense five days participating in workshops, training for simulated space missions and learning to use the excitement of space to inspire their students – a realistic, exciting and challenging experience!

The program all Space Camp astronaut training and exciting activities developed to promote lifelong learning in a classroom setting. Activities include NASA content and are correlated to the National Science Education Standards.

Completion of this program is worth 45 hours of continuing education hours and gives educators access to their own web site with lesson plans, standards, and tips needed to adapt many of the workshop activities to individual class environments included.

Space Academy for Educators is offered in June and July. Housing, program materials and meals are included in the tuition. Three hours of

graduate credit through the University of Colorado at Colorado Springs is offered at an additional cost.

For exact dates, please visit spacecamp.com/educators.

COST:
Summer
\$749/person

Fast Facts...

HOUSING: At UAHuntsville Dorms

CREDITS: 45 hours of continuing education hours

GRADUATE CREDIT: 3 hours of graduate credit from the University of Colorado at Colorado Springs, CO.

There is an additional \$50 registration fee per person.



WEEKLONG GROUPS

AGES 9 - 18
6-Day / Sunday - Friday



DID YOU KNOW? For every 15 students booked, the 16th tuition is free



spacecamp.com/groups/sc

Students will prepare to become the new generation of lunar explorers, with hands-on activities that place them in the role of spacecraft designers and astronauts on the Moon.

WEEKLONG GROUP PROGRAMS

Choose any of the weeklong camps for the ultimate Space Camp or Aviation Challenge experience for your students!

An amazing weeklong experience will challenge your students in teamwork, leadership and decision making and motivate them in science, technology, math and engineering (STEM).

All of our camps are correlated to the National Science Education Standards, and our curriculum is designed and developed by a professional education staff with the experience and knowledge to make the program both educational and fun.

Adults do not participate in weeklong camp programs but serve as chaperones and contacts. We can assist in creating activities here or in the region. One chaperone is allowed for every 12 students attending.

COST:

Fall/Winter

September 25, 2011 –
February 18, 2012
\$599/person

Summer

May 22, 2012 –
August 18, 2012
\$799/person

Spring

February 19, 2012 –
May 21, 2012
\$699/person

Fall/Winter

August 19, 2012 –
September 29, 2012
\$599/person

For every 15 students booked, the 16th tuition is free. All registrations are subject to a non-refundable \$150 group registration fee.

Fast Facts...

GROUP SIZE: Minimum 12

CHECK-IN: Sunday Afternoon

GRADUATION: Friday Morning

GRADES: 4 – 12 **AGES:** 9 – 18

SESSIONS: Year-round

OTHER CAMPS: Aviation Challenge



SPOTLIGHT ON TECHNOLOGY AGES 9 - 14

GROUPS

5-Day / Monday - Friday



DID YOU KNOW? All of our camps are correlated to the National Science Education Standards and Core Curriculum for STEM



spacecamp.com/groups/sc

SPOTLIGHT ON TECHNOLOGY

Spotlight is designed for the entire classroom to come to camp together and correlated to the State of Alabama's Course of Study for Science and Math. This program employs the excitement of astronaut training to teach scientific concepts as well as teamwork, leadership and decision-making.

Through hands-on history and science briefings, trainees discover that the space program, like other scientific endeavors, requires the efforts of a wide variety of people and that its accomplishments were the result of individual, incremental tests and experiments.

During a mission, the trainees take on the role of a member of mission control or a flight crew. Throughout the experience, trainees discover the technological designs and learn the objective of the mission. They learn to come together through teamwork to complete the mission goal.

While Spotlight on Technology is designed as an affordable option for Alabama schools, all schools are welcome. This program begins on Monday and graduation is on Friday.

- Space Missions
- Mars Mission
- History
- Experiments
- Astronaut Simulators
- Teambuilding

Developed around The Department of Education for the State of Alabama's Course of Study for Science and Math.

COST:

**Overnight,
In-State**
\$469/person

**Overnight,
Out-of-State**
\$569/person

**Day,
In-State**
\$309/person

**Day,
Out-of-State**
\$409/person

All registrations are subject to a non-refundable \$150 group registration fee. One classroom teacher is free and must be available for emergency contact. Each additional chaperone will be charged a fee.

Fast Facts...

GROUP SIZE: Minimum 12

CHECK-IN: Day 9 a.m. Overnight Mon. 1 p.m. - 2 p.m.

GRADUATION: Day Only Fri. 1 p.m. Overnight Fri. 9 a.m.

GRADES: 4 - 8

SESSIONS: Fall, winter, and spring

OTHER CAMPS: Aviation Challenge



PATHFINDER GROUPS

3-Day / Monday - Wednesday
Wednesday - Friday
Friday - Sunday



DID YOU KNOW? Pathfinder is a hands-on STEM camp experience



spacecamp.com/mu/grouptours

Pathfinder is a 3-day program including a shuttle mission, space history and astronaut training.

PATHFINDER

Pathfinder focuses on space science, math and astronaut training. Designed to accommodate groups, Pathfinder is a three-day, two-night program that includes a space mission, space history and astronaut training. The space mission is the highlight of Pathfinder, where trainees take on the role of a member of mission control or a member of a flight crew.

Pathfinder also offers an Aviation program that incorporates land survival techniques, air-to-air simulated missions and a Top Gun competition.

Groups have the option to attend Monday to Wednesday, Wednesday to Friday, or Friday to Sunday sessions. Adult chaperones participate in this program.

Space Pathfinder:

- Space Mission
- Museum History
- Astronaut Simulators
- Teamwork
- Rocket Building
- IMAX® and 3D Movie

Aviation Pathfinder:

- Flight Simulators
- Wilderness Survival
- Aviation Principles
- Teamwork
- IMAX® and 3D Movie

Fall/Winter

Sept. 25, 2011 – February 18, 2012
\$239 per person

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Spring/Summer

February 19, 2012 - August 18, 2012
\$289 per person

Fall/Winter

August 19, 2012 – Sept. 29, 2012
\$239 per person

For every 15 students booked, one adult is admitted free. All registrations are subject to a non-refundable \$150 group registration fee.

Fast Facts...

GROUP SIZE: Minimum 12 (incl. adults)

CHECK-IN: 12:30 p.m. - 1 p.m.

GRADUATION: 10 a.m. - 11 a.m.

GRADES: 4 - 8

SESSIONS: Year-round

OTHER CAMPS: Aviation Challenge



ASTROTREK GROUPS

3-Day / Monday - Wednesday
Wednesday - Friday
Friday - Sunday



DID YOU KNOW? A Group Coordinator is available to help you choose the program that meets your group's needs



spacecamp.com/mu/group tours

ASTROTREK

Astrotrek™ is a great way for larger groups to experience the excitement of space flight history. Astrotrek is a two-night, structured educational adventure that allows students, educators and chaperones the opportunity to explore the U.S. Space & Rocket Center. Astrotrek is a hands-on aerospace adventure in STEM.

Groups have the option to begin on Monday, Wednesday or Friday. Adult chaperones participate in Astrotrek.

Astrotrek Sample Activities:

- 2 Astronaut Training Simulators
- Air Rocket Activity
- IMAX® movie
- History
- Museum Simulators

Fall/Winter

September 25, 2011 –
February 18, 2012
\$159 per person

Spring/Summer

February 19, 2012 –
August 18, 2012
\$189 per person

Fall/Winter

August 19, 2012 –
September 29, 2012
\$159 per person

Astrotrek is a 3-day hands-on museum experience at the U.S. Space & Rocket Center.

For every 25 students booked, one adult is admitted free. All registrations are subject to a non-refundable \$150 group registration fee.

Off-site hotel lodging is available for Astrotrek at an additional fee.

Fast Facts...

GROUP SIZE: Minimum 15 (incl. adults)

CHECK-IN: 3 p.m. – 4:30 p.m.

CHECKOUT: 11 a.m.

GRADES: 3 – 8

SESSIONS: Year-round



MUSEUM PROGRAMS



DID YOU KNOW? The U.S. Space & Rocket Center is a Smithsonian Affiliate



spacecamp.com/mu/group tours

U.S. Space & Rocket Center field trips are designed to introduce students and adults to the dramatic history of space exploration. Groups of 15 or more can embark on this daylong outer space adventure!

DAILY SPACE ADVENTURE

Sessions: Year-round

Group Size: Minimum 15 (including adults)

Bring a group of students or adults and spend a day exploring and discovering the U.S. Space and Rocket Center!

Daily field trips are designed to introduce students and adults to the dramatic history of space exploration, from early spaceflight to the shuttle program and beyond. Groups of at least 15 or more total people can embark on this daylong adventure. There are three different options for your daily group trip.

A 1:10 ratio between chaperones and students is required, and school groups will receive one complimentary admission for every paid 10 students. On average it takes about three – six hours to complete all activities, and adults must accompany students at all times. We reserve the right to remove any disruptive, unchaperoned students from the museum.

COST:

Year-Round \$11.00/person

To Add-On an IMAX or 3D Movie

Extra \$7.00/person

To Add-On a Pre-Ordered Meal

Extra \$4.00/person

CONSTELLATION

Sessions: Year-round

Group Size: At least 15

Constellation is a daily-trip program geared toward adult groups. Participants enjoy the history of the museum, rocket park, Shuttle Park and the simulators.

Groups have the option of a one-hour tour and lunch, a movie and lunch, or a movie and a tour.

COST:

Year-Round \$25/person

All options include:

- Entrance to Museum
- Shuttle Park
- Rocket Park
- Public Museum Simulators



MUSEUM PROGRAMS



DID YOU KNOW? You can do a 1-day or an overnight museum field trip



spacecamp.com/mu/group tours

NEW HORIZONS

Sessions: Year-round

Group Size: At least 15 (Including adults)

Check-In: 10 – 11:30 a.m.

Check-Out: Approximately 1:30 p.m.

Grades: 1 - 8

New Horizons is a one-night, two day program that includes a guided tour through the history of the U.S. Space Program and beyond, a hands-on solar system exploration lab and many other science and space based activities.

Groups also tour our Rocket Park, watch an IMAX® movie and experience some of the forces of spaceflight with our museum and rocket park simulators.

Groups have the option to begin on Tuesday, Thursday or Saturday. Adult chaperones participate in this program.

New Horizons

- Hands-on Science Lab
- Museum Simulators
- Museum Exploration
- IMAX®

COST:

Year-round: \$99 per person

For every 25 students booked, one adult is admitted free. All registrations are subject to a non-refundable \$150 group registration fee.

The New Horizons and Ultimate Field Trip programs are customized for large group learning.

Off-site hotel lodging is available for New Horizons at an additional fee.

ULTIMATE FIELD TRIP

Sessions: Year-round

Bring a group of students and spend the day exploring the museum, enjoying simulators and participating in a hands-on science lab!

The Ultimate Field Trip Program labs are correlated to the Alabama Course of Study and the National Science Education Standards.

One chaperone is admitted free per team/class.

UFT Activities:

- Entrance to Museum
- Shuttle Park
- Rocket Park
- Public Museum Simulators
- Bag Lunch
- IMAX Movie
- Guided Museum Tour
- One-Hour Science Lab with Instructor

COST:

Year-Round:

Up to 25 Participants

\$625

Over 25 Participants

\$25/person

A non-refundable deposit of \$50 is due within 10 days of making a reservation.



PARENT INFORMATION



DID YOU KNOW? Security and nurses are onsite 24 hours a day, 7 days a week while camps are in session



The U.S. Space & Rocket Center® is located in Huntsville, AL, and is the Official Visitor Information Center for NASA's Marshall Space Flight Center (MSFC) and the home of Space Camp® and Aviation Challenge®.

SAFETY AND SECURITY:

- Uniformed security guards on-site 24/7
- Simulators are safety checked daily by a professional technician.

MEDICAL:

- Licensed medical staff on-site 24/7 when camp is in session
- Medical questions can be directed to 256.721.7162.

SPECIAL ACCOMMODATIONS:

- Every effort is made to accommodate trainees with special needs, including hearing or visually-impaired, those with special dietary requirements or trainees in wheelchairs
- Trained and equipped for attention deficit needs
- Advanced notice is required for special accommodations.

MEALS:

- Breakfast, lunch and dinner are provided daily in our cafeteria
- Meals are all-you-can eat, and we offer a variety of food
- We make every effort to accommodate trainees with dietary needs, please call 256.721.7139 or email specialdiets@spacecamp.com
- We require a four-week advanced notification for dietary requests.

CANCELLATION POLICY:

- We realize that situations may arise that require cancellation
- Please visit spacecamp.com

or call 1.800.637.7223 for our full policy.

LODGING:

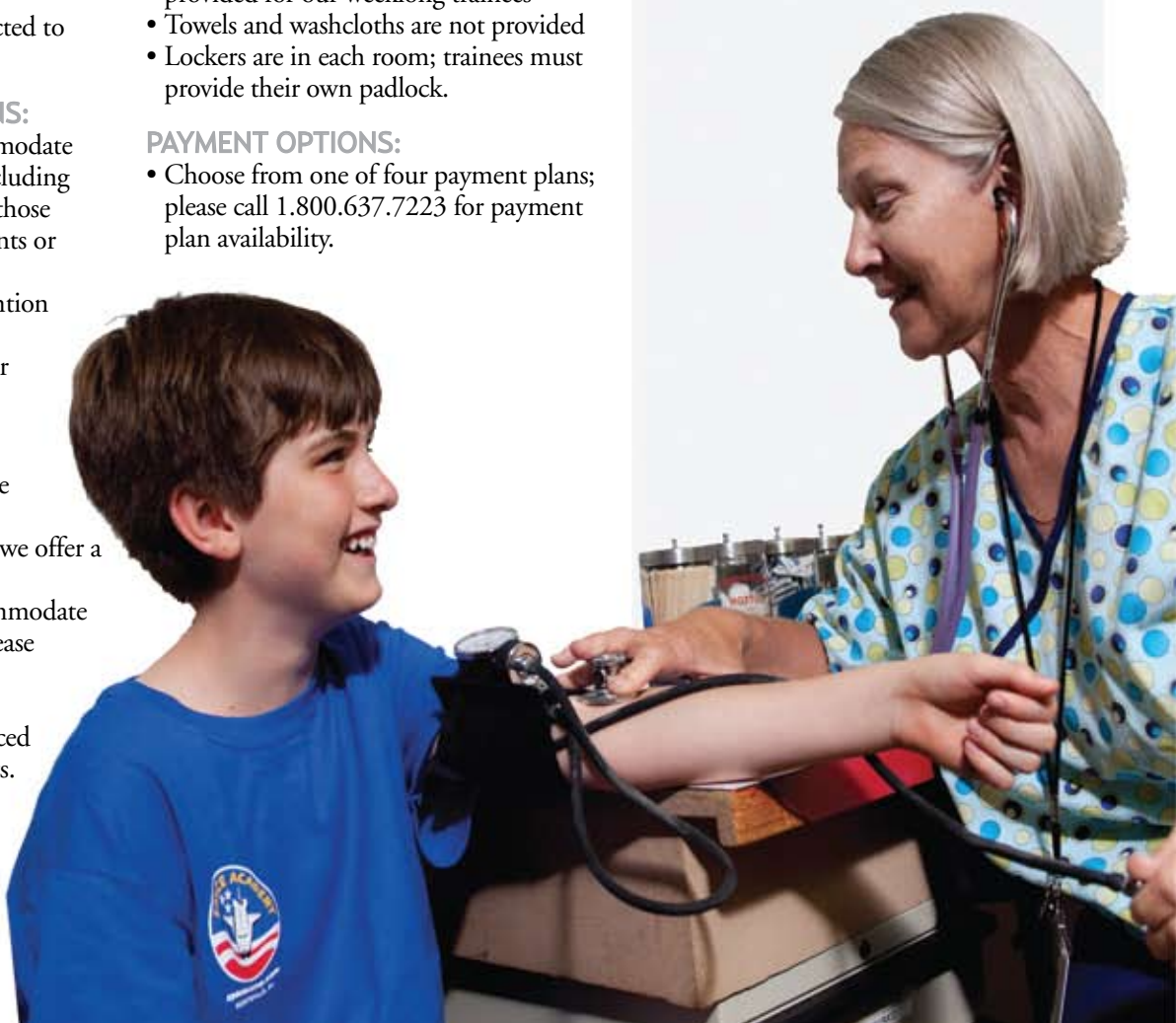
- Trainees are housed in rooms of seven beds, or bays of 20 – 40 beds
- Blankets, sheets and pillowcases are provided for our weeklong trainees
- Towels and washcloths are not provided
- Lockers are in each room; trainees must provide their own padlock.

PAYMENT OPTIONS:

- Choose from one of four payment plans; please call 1.800.637.7223 for payment plan availability.

CREW TRAINERS:

- Have a minimum of 30 hours of college
- Are at least 20 years old
- Pass background and drug tests
- Complete extensive training in simulator safety, program fundamentals and age characteristics.



PARENT INFORMATION



DID YOU KNOW? Special dietary requests are easily accommodated through our chef



Space Camp opened in 1982 as a camp for students interested in space and science. Aviation Challenge began in 1990 and has inspired students interested in aviation through simulated fighter pilot training.

OTHER PROGRAMS:

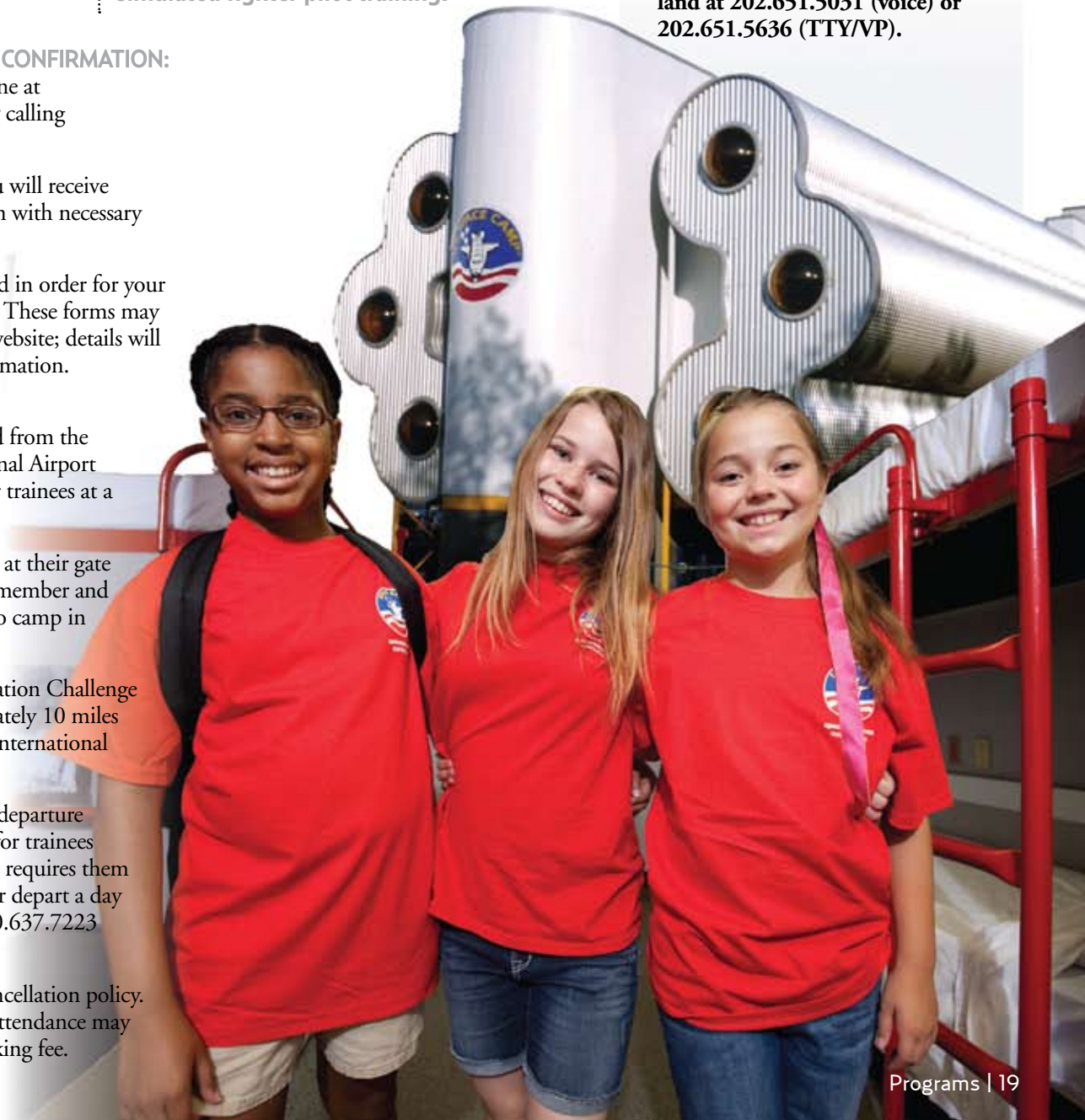
- Space Camp for Visually-Impaired Students – **Contact Dan Oates at 304.851.5680**
- Space Camp for the Deaf and Hard of Hearing – **Contact Amy Newland at 202.651.5031 (voice) or 202.651.5636 (TTY/VP).**

REGISTRATION AND CONFIRMATION:

- You may register online at spacecamp.com or by calling 1.800.637.7223.
- After registration, you will receive an email confirmation with necessary information.
- Forms will be required in order for your child to attend camp. These forms may be filled out via our website; details will be in the email confirmation.

TRAVEL:

- Transportation to and from the Huntsville International Airport (HSV) is available for trainees at a small charge
- Trainees are each met at their gate by a uniformed staff member and transported directly to camp in Space Camp vehicles
- Space Camp and Aviation Challenge are located approximately 10 miles from the Huntsville International Airport.
- 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 1.800.637.7223 for details.
- Check website for cancellation policy. Changes in dates of attendance may be subject to a rebooking fee.





SEPTEMBER 2011

S	M	T	W	T	F	S
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OCTOBER 2011

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NOVEMBER 2011

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DECEMBER 2011

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JANUARY 2012

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FEBRUARY 2012

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APRIL 2012

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MAY 2012

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JUNE 2012

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JULY 2012

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AUGUST 2012

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SEPTEMBER 2012

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30						

FALL/WINTER 

SPRING 

SUMMER 

Astronaut(s) on site during selected summer sessions. Check our web site for dates/sessions.

source code: PG012

See our website for CHECK-IN times and GRADUATION SCHEDULES: www.spacecamp.com (Not all programs are offered all weeks)

NOTE: A minimum height of 48 inches is required for the simulators used in the program curriculum, with the exception of G-Force Accelerator, which requires a minimum height of 50 inches. Maximum weight for simulators is 260 lbs. Closed-toe shoes must be worn on all simulators. Outdoor activities conducted as temperature and weather permit. We reserve the right to cancel a session date for any reason.



SPACE CAMP® & AVIATION CHALLENGE® 2012 YOUTH APPLICATION FORM

When reserving by phone, this form is not required.

Session Date: _____ Camp Account #: _____

IMPORTANT: Incomplete applications delay registration and may result in missing desired session date. If paying by credit card, make sure credit card information is complete. If paying by check or money order, please make sure full payment is enclosed and make photocopies of all documents before sending.

Send completed application with full payment to:

SPACE CAMP RESERVATIONS
P.O. BOX 070015
HUNTSVILLE, AL 35807-7015
FAX# (256) 890-3369

CHECK PROGRAM: NOTE: If you are attending camp with a friend and want to be on the same team, you and your friend **MUST** choose **THE SAME PROGRAM AND TRACK**.

☐ **SPACE CAMP (6-Day)**

Select track option (summer only) for 6-day program, indicate 1st & 2nd choice:

Space & Robotics _____ Space & Aviation _____ Space _____

☐ **SPACE ACADEMY**

Select track option (summer only), indicate 1st & 2nd choice:

Space & Robotics _____ Space & Aviation _____ Space _____

☐ **ADVANCED SPACE ACADEMY (6-Day)**

Select track option, indicate 1st & 2nd choice:

Mission Specialist _____ Pilot _____

☐ **AVIATION CHALLENGE MACH I (6-Day)**

☐ **AVIATION CHALLENGE MACH II**

☐ 6-Day

☐ **AVIATION CHALLENGE MACH III**

☐ 6-Day

SESSION DATE PREFERENCE:

1ST CHOICE _____ 2ND CHOICE _____

APPLICANT INFORMATION (PLEASE PRINT)

Trainee's Name: _____
Last First Middle

Address: _____

City: _____ State: _____ Zip: _____

Sex: _____ Date of Birth: _____

Age: (at time of camp) _____ Grade currently attending or have completed: _____

Name for Name Tag: _____

Home phone: (_____) _____

Business phone: (_____) _____

Cell phone: (_____) _____

E-Mail: _____

How did you hear about us? (Source Code from box on program literature or other):

Teammate preference (teammate must be attending same program and track):

Parent/Guardian: _____

Emergency contact: _____

Relationship: _____ Phone: (_____) _____

PURCHASE AND PAYMENT:

TUITION (Full payment only) \$ _____

FLIGHTSUIT Size: _____ Quantity: _____ @ \$90 ☐ AC
(see back) ☐ SC

CLOTHING SET Size: _____ Quantity: _____ @ \$90
(see back)

TEAM MISSION PATCH: \$ 12 each (SPACE CAMP,
SPACE ACADEMY, Advanced SPACE ACADEMY & AVIATION
CHALLENGE MACH I, II, III) Quantity: _____ @ \$12

Photo DVD Quantity: _____ @ \$30

TRANSPORTATION FEE (To & from airport) \$25 each

EARLY ARRIVAL (plus transportation fee): \$79
(No earlier than the day before camp starts)

LATE DEPARTURE (plus transportation fee): \$79
(No later than the day after graduation)

TOTAL \$ _____

Form of payment: ☐ Check or Money Order ☐ VISA

☐ American Express ☐ MasterCard ☐ Discover

ACCOUNT NUMBER:

EXPIRATION DATE: _____ / _____ / _____ CVV Code: _____

Signature Required _____

Please **print** name as it appears on credit card:

Billing Address (if different from trainee registration form)

Payment plan is available. Call for details.

Would you like to support the SPACE CAMP Endowed Scholarship Program?

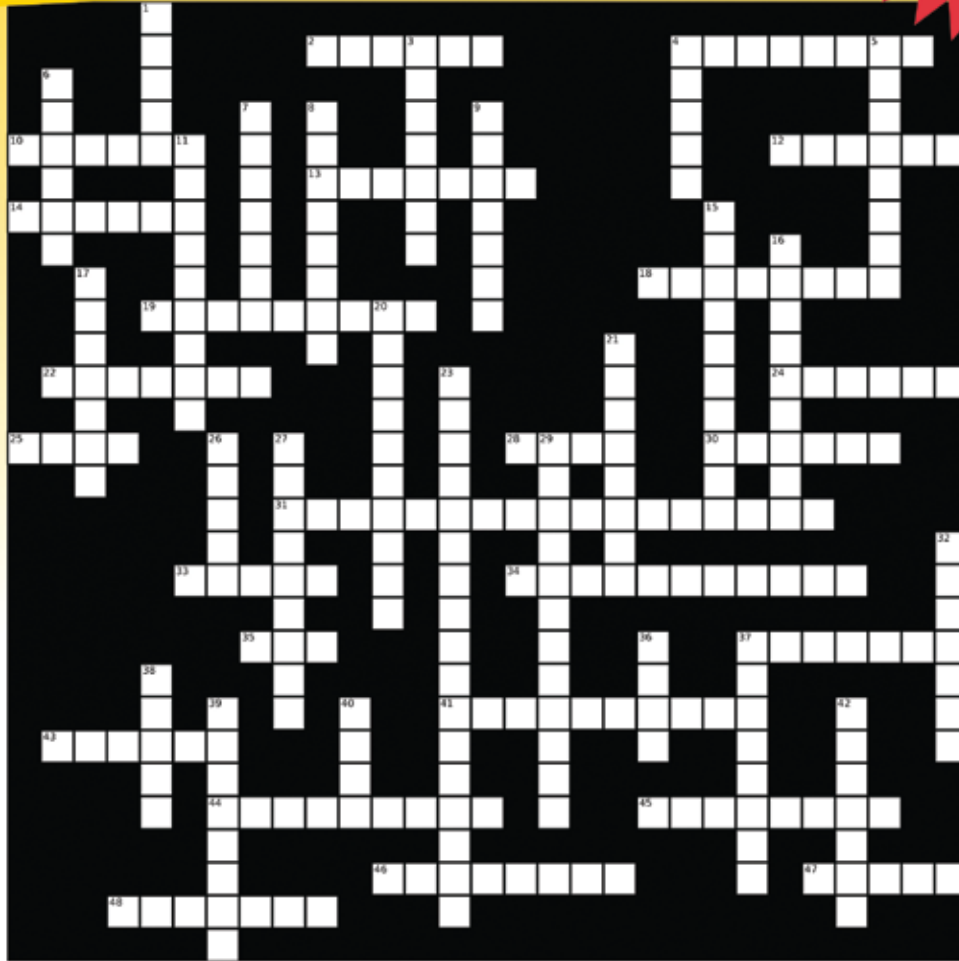
☐ \$10 ☐ \$25 ☐ \$50 ☐ \$100 ☐ Other \$ _____

In honor or memorial to whom?

CROSSWORD PUZZLE



Crossword key
available online
spacecamp.com/xword



Across

- 2 1986 aviator movie (two words)
- 4 Build this skill at Area 51: Leadership reaction course
- 10 Aviation Challenge mascot
- 12 Famous space telescope
- 13 First person in space (last name)
- 14 Second manned American space program
- 18 First director of Marshall Space Flight Center (last name)
- 19 Site of Wright Brother's first flight
- 22 Fifth planet from the sun
- 24 Nickname for the F-14
- 25 Robot from Space Camp the movie
- 28 United States space agency
- 30 First person to walk in space (last name)
- 31 Fighter pilot camp
- 33 Famous American monkeynaut
- 34 Tallest known mountain in the solar system
- 35 Roll, pitch, and
- 37 Command service module pilot of Apollo 11 (last name)
- 41 Pilot simulator for high speed turns
- 43 U.S. commander for the first shuttle docking with Mir (last name)
- 44 Another word "Extra Vehicular Activity"
- 45 This Mercury rocket can be found in our Rocket Park
- 46 Only astronaut to fly aboard all five orbiters (last name)
- 47 Flight suit material
- 48 Military Identification (two words)

Down

- 1 Number of space shuttle main engines per orbiter
- 3 Father of modern rocketry (last name)
- 4 Space Camp mascot
- 5 Manfred von Richthofen, German ace, is better known as what? (two words)
- 6 First person to break the sound barrier (last name)
- 7 First woman to fly solo across the Atlantic Ocean (last name)
- 8 Aerial combat between fighter aircraft
- 9 Mercury astronaut (last name)
- 11 2012 marks the _____ anniversary of Space Camp
- 15 The Rocket City
- 16 First man on the moon (last name)
- 17 Apollo rocket that took man to the moon (two words)
- 20 STS-3 landing site (two words)
- 21 Unofficial name of the remote manipulator system
- 23 Space Camp alumna Dottie Metcalf Lindenburger's mission position on STS-131 (two words)
- 26 First International Space Station module
- 27 Astronaut training camp
- 29 Force equals mass times _____
- 32 "_____, we have a problem!"
- 36 Bernoulli's principle helps explain this force of flight
- 37 Look behind you! (two words)
- 38 Home to Space Camp and Aviation Challenge (initials)
- 39 Amount of gravity on the moon (two words)
- 40 First American woman in space (last name)
- 42 Nickname for the F-4

CORPORATE PROGRAMS



DID YOU KNOW? Corporate programs can be customized to your companies needs



spacecamp.com/adult

CORPORATE CAMP teaches team members how to reach their peak performance by interacting with each other. A secretary may become the shuttle commander or flight director, while the CEO watches fuel levels and mechanical gauges onboard the orbiter.

The U.S. Space and Rocket Center offers opportunities throughout the year for companies to actively motivate, inspire and strengthen their collaborative teamwork and vision. Whether the desire is a day of fun or several days of training, our corporate program encourages team members to work together to meet common goals and objectives.

Based on the highly acclaimed Space Camp program, Corporate Space Camp allows teams to reach their performance goals by running simulated space missions while serving as crew members and mission control operators.

Through a challenging environment, trainees actively experience situations and call upon the most needed skills: purposeful leadership, crisis and change management, and integrated planning.

Corporate Aviation Challenge trainees develop communication, teamwork, leadership and decision-making skills in realistic flight simulations. The program takes a unique approach to presenting crucial collaboration and interaction skills, and provides teams with confidence and memories of a lifetime.

Since 1994, Corporate Space Camp has changed training and development programs. No two trips are alike, therefore programs costs and activity details will vary. For more information, call 1.800.63.SPACE and speak to a representative today!

Fast Facts...

SCHEDULES: 1 - 5 days in length

CURRICULUM: Tailored/facilitated

MEALS: Formal or casual

CLOTHING: Personalized Apparel

FACILITIES: Lodging & meeting spaces



OFFICIAL

SPACE GEAR®



\$90 AUTHENTIC FLIGHTSUIT

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

Flightsuit

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. Set includes one each of the following: t-shirt, shorts, sweatshirt, sweatpants, and a duffle bag.

Space Camp

Youth size L,
Adult sizes S-XXL

Aviation Challenge

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. Only available 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. Only available for weeklong camps.



Call **1-800-63-SPACE** or
order @ spacecamp.com/store