

1992 OFFICIAL SPACE PROGRAMS

TRAINING CENTERS IN ALABAMA & FLORIDA



A Message From The Director:

After ten years of exciting growth, U.S. SPACE CAMP begins its second decade in 1992. And, appropriately, this year also has been designated International Space Year. For it was in the spirit of explorers such as Christopher Columbus, who sailed to the New World 500 years ago, that humans began to explore space just a few decades ago.

Today, U.S. SPACE CAMP and U.S. SPACE ACADEMY are training the explorers of tomorrow. Through our programs in Alabama and Florida, we are achieving our goal of exciting young people about math and science so they will be better prepared for the high-technology careers of the future.

We are successful at launching a lifelong interest in space and technology because our hands-on programs help to ignite the imaginations of youngsters. Even in trainees who will not go on to pursue an interest in the aerospace industry or other high-technology careers, SPACE CAMP fosters teamwork, decision-making and leadership. For a young person, these are valuable assets with which to navigate any future course.

So we invite you to explore the possibilities at U.S. SPACE CAMP. We'll do our best to help the young person in your life sharpen the tools of the explorer's trade — a sharp mind, a keen eye and the imagination to reach for the stars.

Edward O. Buckbee, Director
U.S. Space & Rocket Center
U.S. SPACE CAMP

And President George Bush

During a visit to U.S. SPACE CAMP, President Bush told trainees:

"This is probably the same thrill and experience for me as it is for you. I'm absolutely convinced that what we're seeing here today, including the education of young Americans looking to the future, in terms of science, technology and the emphasis here on space, is absolutely vital to our country.

I'm inspired by the young people who participate in this program...because this really is the future."



U.S. SPACE CAMP® OVERVIEW

- Page 4.....U.S. SPACE CAMP®** – Five-day introduction to space sciences and exploration. Includes realistic astronaut training, propulsion exercises, a NASA tour and culminates in a simulated space shuttle mission. Grades 4-6 in Alabama, 4-7 in Florida (must be attending classes in 4th grade by session date).
- Page 6.....U.S. SPACE ACADEMY® Level I** – Five days of intensive astronaut and mission training and academics. Simulated space station mission highlights the week. Grades 7-9.
- Page 7.....U.S. SPACE ACADEMY Level II** – Eight-day program with engineering, technology and aerospace tracks available. Program culminates with an extended duration simulated shuttle mission. Grades 10-12.
- Page 8.....AVIATION CHALLENGE™ Basic & Intermediate** – Five-day program for students in grades 7-9 and 10-12, emphasizing education, training and skills required of high performance jet pilots. Includes land and water survival training and jet flight simulation.
- Page 10.....ADULT SPACE ACADEMY Level I** – Three-day sessions for anyone 19 and older interested in space sciences and exploration. Includes astronaut training activities and simulated shuttle missions.
- Page 11.....ADULT SPACE ACADEMY Level II** – Eight-days of intensive astronaut mission training and academics. Simulated space station mission highlights the week.
- Page 12.....ADULT AVIATION CHALLENGE** – Three-day program for adults, emphasizing education, training and skills required of high performance jet pilots. Includes land and water survival training and jet flight simulators.
- Page 13.....PARENT AND CHILD SPACE CAMP** – Three-day sessions available during selected week-ends May thru early September. Parents and their youngsters (ages 7-11) participate in various activities including a simulated shuttle mission. Alabama and Florida.
- Page 14.....SPACE ACADEMY FOR EDUCATORS™** – Five-day programs for professional educators desiring to use the excitement of space technology as a motivational tool in their classrooms. In-service and graduate credit programs. Alabama and Florida.
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U.S. SPACE CAMP: Alabama

Five-day program in Alabama for grades 4-6

This five-day program inspires young minds to look to the future. Trainees develop a new and invigorated interest in math, science and technology while they experience the thrill, the challenge, the unique adventure of simulated space travel. Hands-on training, interactive tours, OMNIMAX big-screen films, guest lectures and fast-paced instruction keep youngsters on the go.

Tuition includes meals, educational programs and materials, accommodations, T-shirt and visor. (Note: Students must be attending classes in 4th grade by session date.)

SPACE CAMP Highlights: Trainees learn tasks which promote teamwork and leadership skills. Rocket construction and launch and astronaut training simulations prepare students for the final test — a realistic simulation of an actual space shuttle mission.

Orientation — After arrival (Sunday between 10 am and 1:30 pm), trainees register, meet fellow team members and “take off” on their mission.

Rocketry Training — Trainees learn the basic principles of rocket propulsion and spacecraft guidance. Assembly and launch of individual model rockets is a key activity.

Astronaut Training — Trainees become more aware of the extensive training NASA astronauts must undergo before a mission — from tasting space food to learning about life-support systems. They try on space suits and helmets, take a close look at the actual Apollo 16 spacecraft and tour NASA's Marshall Space Flight Center.

Microgravity Training — Trainees assume the role of astronauts preparing for space walks and the “zero gravity” of space. Five-sixths of their body weight “vanishes” in the 1/6 Gravity Chair, then weight triples in the Centrifuge. Maneuvers of 280 degrees against gravity in the “1-G” Trainer and the spinning, tumbling Multi-Axis Trainer add to trainees’ understanding of the astronaut’s role. Additional training takes place in the microgravity environment of the olympic swimming pool at the University of Alabama in Huntsville.

Mars Mission Training — The first manned mission to Mars could happen as early as the year 2019 — so SPACE CAMP trainees experience simulated flights from Earth to space station and then to Mars. Lectures and hands-on mission scenarios help trainees learn about the Martian landscape, atmosphere and other aspects of the Red Planet.

Space Shuttle Mission — This is the big moment they’ve been training for. Each team of 12 trainees is divided into shuttle crew and mission control. Team members conduct a detailed, simulated mission — complete with countdown, launch, orbit and return to Earth. Each team’s performance depends upon how well Campers apply principles learned earlier in the week. SPACE CAMP graduates look back on this exercise as the highlight of an exciting week — a mission they’ll never forget!

Graduation — Family members are invited to graduation ceremonies on Friday at 9:00 am. Each graduate receives SPACE CAMP wings, a certificate and a color group photo. Special team awards will be presented. Departing flights should be scheduled after 12:30 pm.



U.S. SPACE CAMP: Florida

Five-day program in Florida for grades 4-7

See how exciting space exploration can be! Young could-be astronauts get a glimpse of the countless possibilities in outer space. This five-day mission taps trainees' potential and fires a vigorous interest in math, science and technology. Hour after hour is packed with hands-on training, interactive tours, giant screen IMAX films, guest lectures and simulated space missions. (Note: Students must be attending classes in 4th grade by session date.)

Space Camp Highlights: Trainees learn tasks which promote teamwork and build leadership skills. Rocket construction and launch, large space structure design and astronaut training simulations build the educational excitement. All of the activities culminate in a realistic simulation of an actual space shuttle mission.

Orientation – After arrival (between 1 pm and 4 pm) trainees meet their team leader and fellow teammates and begin the countdown to adventure!

Rocketry Training – At the U.S. Astronaut Hall of Fame, trainees see equipment used by the seven Mercury astronauts and learn about tomorrow's NASA programs. A tour of the NASA Rocket Garden at Kennedy Space Center complements lessons on the basic principles of rocket propulsion and spacecraft guidance. Assembly and launch of individual model rockets and a hands-on astronomy lesson at a local planetarium promote learning.

Astronaut Training – Trainees receive insight into NASA astronauts' extensive training — from tasting packaged space food to learning about life-support systems. They try on space suits and helmets, experience the rotating chair and spin and tumble in the Multi-Axis Trainer.

Microgravity Training – Trainees assume the role of astronauts preparing for space walks and the "zero gravity" of space. They learn about the fascinating field of robotics and practice "moon-walking" in the Micro-Gravity Trainer and "spacewalking" in the Five Degrees of Freedom (5DF) chair. Team exercises with the Hubble Telescope task board in the microgravity environment of a swimming pool add to the fun and learning.

Space Station Training – Living and working in space is explored with simulated space station training. Trainees use the Manned Maneuvering Unit and a mobility trainer as they might be used aboard the space station. Space Campers also have the opportunity to visit NASA Kennedy Space Center, where the Space Shuttle — which ultimately will transport astronauts to and from space station — is processed and prepared for launch.

Space Shuttle Mission – The culmination of an intensive week of astronaut training is a simulation of a space shuttle flight, from countdown to orbit to return to Earth. Each team of 12 is divided into flight crew and mission control. By mid-spring 1992, the addition of a full-scale space shuttle orbiter will permit trainees to experience the ultimate space flight adventure, enhanced by realistic audio and visual special effects. This is the highlight of SPACE CAMP — an event trainees will remember for years to come.

Graduation – Family members are invited to the ceremony as each graduate receives SPACE CAMP wings, a certificate and a color group photo. Teams with the best mission, rocket launch and large space structure will be honored with special team awards. Departing flights should be scheduled after 1 pm.



U.S. SPACE ACADEMY: Level I

Five-day program in Alabama for grades 7-9

Excitement soars as trainees use their hands-on experience and academic training to complete simulated space shuttle missions. Five days of scientific experiments, realistic astronaut training and challenging lectures fuel young teens' interest in space and technology. SPACE ACADEMY Level I program does not require prior participation in SPACE CAMP.

Space Academy Highlights: For older students who wish to experience the excitement of astronaut training and simulated space travel. Emphasis is on shuttle crew activities, mission control and space station simulations.

Orientation – After arrival (Sunday between 10 am and 1:30 pm), trainees meet team members and begin activities.

Shuttle Operations – Trainees become familiar with the highly accurate space shuttle cockpit simulator, the full-size Spacelab and space station modules and the replica of Houston's Mission Control Center.

Mission Assignments – Trainees are assigned to teams, explore life support systems and train for their mission assignments in shuttle crew, space station or mission planning positions.

Mission Experiments – Preparation intensifies for the upcoming mission. Team members learn about satellite deployment, operation of the remote manipulator arm, experimental hardware, Hubble Telescope repair, cosmic ray detection and crystal growth. Trainees also construct a space structure in an underwater environment.

Space Shuttle Mission – Each team conducts two simulated shuttle flights, allowing team members to experience mission control, space station and on-orbit flight. Adrenaline levels soar as the countdown and launch are monitored by the mission control team. The commander and pilot achieve proper orbit; payload specialists conduct experiments inside the Spacelab and space station modules; and mission specialists "spacewalk" outside the crew cabin. After docking with the space station, the shuttle crew returns to Earth and team members exchange assignments. A debriefing follows each mission.

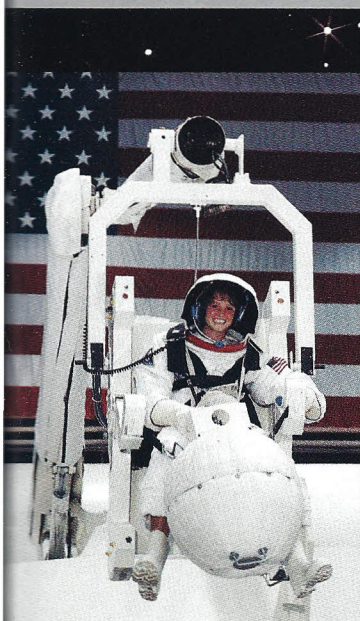
Graduation – Trainees' family members are invited to arrive by 8:30 am Friday. Awards, wings and certificates are presented during graduation ceremonies at 9 am. Family members should make advance arrangements for their visit to the Spacedome Theater and NASA. Departing flights should be scheduled after 12:30 pm.



U.S. SPACE ACADEMY: Level II

Eight-day program in Alabama for grades 10-12

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A teen who is serious about pursuing a career in aerospace or other high-tech fields will thrive in this eight-day program of academics and hands-on training. Level II is an advanced program offering customized training to students in grades 10, 11 and 12. Students request one of three separate study tracks: technology, engineering or aerospace.

Mission Profile: Level II covers more than 90 hours of instruction and training in 8 days. Participants, depending on selected track of study, train in aircraft cockpit trainers, the Underwater Astronaut Trainer (UAT) or a space station module. The curriculum is patterned after NASA crew training manuals, and students experience authentic astronaut training as they explore future careers by talking with space science professionals.

Orientation – After arrival (Saturday between 1 pm and 5 pm) trainees meet their team and begin activities.

Mission Planning – Students are placed in one of three tracks of study and training: Technology (payload specialist), Engineering (mission specialist) or Aerospace (commander or pilot). Members of all three tracks work together in integrated group sessions to plan space shuttle missions.

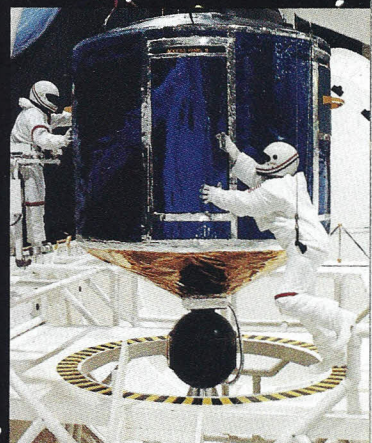
Technology Track – Technology students design and conduct space experimentation aboard the space shuttle and space station simulators. Experiments include superconductivity, human physiological experiments, pre-EVA physicals, soil and water analysis and a variety of other experiments. Students also participate in an entry-level SCUBA experience. Track specific instruction includes astrophysics, materials processing and emergency medical procedures for space flight.

Engineering Track – The engineering track is designed to provide students with hands-on training in simulated Extra-Vehicular Activities (EVAs) aboard the space shuttle, as well as training as station specialists aboard the space station. The engineering track is also trained in SCUBA techniques at the UAT. Academic instruction for the engineering track includes robotics, engineering fields and space environment.

Aerospace Track – Aerospace track trainees focus upon educational requirements necessary for potential aerospace engineer, shuttle commander, pilot or an aviation career. This track provides training in space shuttle piloting along with directing the shuttle from Mission Operations Control Room. The academic program includes celestial navigation, orbital mechanics and space piloting.

Graduation – Families are invited to attend graduation ceremonies on Saturday at 1 pm. Departing flights should be scheduled after 3 pm.

PLEASE NOTE: Tracks are assigned on a first-come basis according to preferences indicated while booking your reservation. Applicants will be sent forms for physician and parent/guardian approval for SCUBA instruction. SCUBA forms (for Engineering and Technology students) should be returned to us for review by our medical and diving staff at least SIX WEEKS prior to arrival and no earlier than three months prior. Physical requirements are noted on form. Trainees with any history of asthma and ear problems will not be allowed to SCUBA dive.



AVIATION CHALLENGE

Five-day programs in Alabama for grades 7-9 and 10-12



AVIATION CHALLENGE is for anyone whose pulse quickens at the thought of soaring through the clouds at twice the speed of sound. Developed from actual military jet pilot programs, Aviation Challenge encourages trainees to accept and master physical and mental challenges as they build a solid foundation for high tech, university study. The two levels of AVIATION CHALLENGE – designed for grades 7-9 (Basic) and 10-12 (Intermediate) – instill the importance of aerodynamics, flight systems, propulsion, tactical maneuvering, emergency ejection and land and water survival. The culmination of all the hard work is an exhilarating, networked flight simulation based on jet fighter pilot training.

Basic Aviation Challenge – This program for students in grades 7-9 offers a broad introduction to the world of high performance aircraft. Many Basic students have little previous knowledge of aviation other than a fascination with high-tech military planes and enthusiasm for flying. Basic Aviation Challenge offers trainees the opportunity to develop their interests in the education, training and skills required to live out the dream of flying. Water survival training, featuring the Helicopter Dunker, gives trainees self-confidence in overcoming obstacles and working as a team-player. Graduates, proud of their shiny set of Aviation Challenge wings, can't wait to return as Intermediate level trainees.

Intermediate Aviation Challenge – This advanced program for students in grades 10-12 is both a continuation for returning Basic graduates, and a more intensive introduction for new aviation enthusiasts. The intermediate level is designed for future aviators who are motivated, mature self-starters, and who enjoy academics, extracurricular activities and competitive sports. Students train with simulators patterned after the Advanced Tactical Fighter. During water survival training, Intermediate students, simulating a parachute descent and water rescue, slide on a guide wire from a 40-foot tower to water splashdown. Parachute disentanglement and life raft procedures are also practiced. Advanced academic training rounds out a week of hard work, high flying and real excitement.



BASIC & INTERMEDIATE

Aviation Challenge: Basic for grades 7-9, Intermediate for grades 10-12

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Both the Basic and Intermediate levels of AVIATION CHALLENGE (see facing page for more information on the two levels) are designed to provide trainees insight into civilian and especially military aviation careers. Trainees will be housed in an off-site, fully supervised, military-style facility on the campus of the University of Alabama in Huntsville.

Orientation – After arrival and registration (Sundays or Wednesdays from 10 am to 2 pm), trainees meet their squadron leader and other team members. Squadron members adopt call signs such as “Mustang,” “Cobra,” “Bulldog” and “Wing Walker.” Lessons begin in aerodynamics, flight systems, engineering and propulsion; and students experience the thrill of their first simulator ride.

Fitness Training – Calisthenics and obstacle course training help prepare students for the rigors of aviation. Water survival procedures with the 40-foot tower slide wire and paradrag, simulating a parachute descent into water, and helo lift exercises, simulating helicopter rescue, are practiced.

Military Operations Training – Students study aircraft carrier operations, learn about the U.S. Navy Fighter Weapons School, and undergo training exercises in basic aerobatics, aircraft carrier catapult launch and arrested landing procedures. A simulation of the Air Force’s famous “Red Flag” readiness drill is highlighted.

Navigation and Flight Maneuvers – Squadron members learn about tactical maneuvering, military aviation careers and navigation. Lectures — conducted by former military pilots — focus on these skills, and simulator training complements the academic lessons. Pilots must know how to survive in the event of an emergency parachute ejection, so squadron members study the challenges of land navigation, food procurement and shelter building. Students learn the basics of air-to-air intercepts, then buckle up for flight trainer maneuvers.

Aerial Combat Mission – In an exhilarating simulator event, students put skill and knowledge to the test. The object is to make their aerial opponent blink first, to finish the mission in triumph.

Graduation – Students receive awards, wings, team photographs and certificates. Family members should arrive by 8:30 am Friday or Monday for the graduation ceremonies held at 9 am. Departing flights should be scheduled after 12:30 pm.



ADULT SPACE ACADEMY: Level I

Three-day weekend program in Alabama for adults

SPACE ACADEMY is not just for kids! Earthbound adults (age 19 and older) looking for a unique getaway weekend will enjoy and remember this challenging program. This program brings unique astronaut experiences to all but the most technical professionals (pilots, engineers or aerospace personnel).

Adult Space Academy Highlights: This exciting program was designed to give adults the educational excitement of astronaut training and simulated space travel and to provide adults with team building skills. Each trainee is also given time to explore the largest hands-on space museum on Earth and tour NASA's training and rocket testing facilities.

Orientation – Participants should make their own arrangements for Thursday night lodging. Friday morning is devoted to registration and check-in (8 am), space shuttle orientation, mission simulations and astronaut training activities. Trainees are divided into teams and shuttle mission preparation begins.

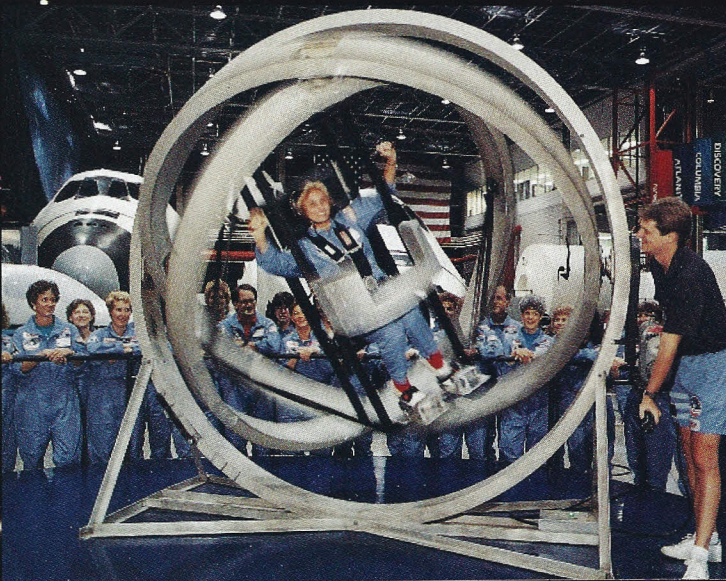
Simulator Training – Participants experience three space walk simulators: the Five Degrees of Freedom Chair, the 1-G Manned Maneuvering Unit and the 1/6 Gravity Chair. Other simulators include the Multi-Axis Trainer, the Centrifuge and the Shuttle Simulator.

Mission Assignments and Preparation – Team members are divided into groups — flight crew, mission control and space station crew. The flight crew experiences countdown and launch in the shuttle simulator and performs EVA's and experiments, while mission control monitors the flight from the ground. Space station crew members perform experimental profiles to learn about life support measures for extended stays in space. Later, the groups exchange places for another simulation.

Space Lab Mission – During the simulated space shuttle mission, trainees enter Spacelab to perform scientific experiments. This is the actual Spacelab simulator used by astronauts to train for the first Spacelab mission.

Space Station Mission – Trainees practice a space shuttle mission of the future as they dock with a space station mock-up similar to the one scientists are developing today.

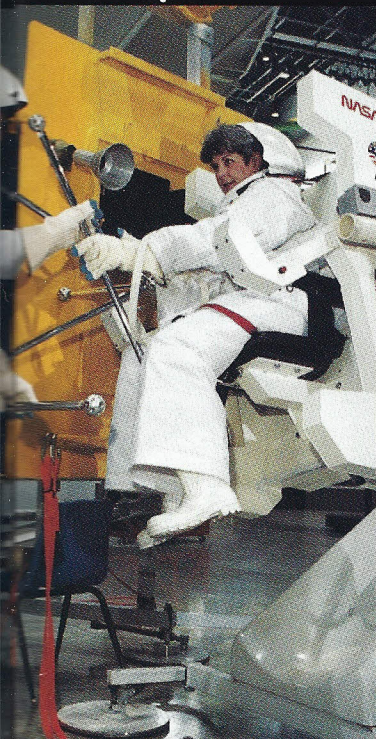
Graduation – This whirlwind mission culminates with a graduation ceremony on Sunday at 3:00 pm. An optional tour of the Marshall Space Flight Center is available after graduation.



ADULT SPACE ACADEMY: Level II

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Eight-day advanced program in Alabama for adults



What can beat a weekend of ADULT SPACE ACADEMY Level I? Eight full days of training at ADULT SPACE ACADEMY Level II! This intensive session is recommended for adults age 19 or older who have graduated from a Level I program and want to be further challenged.

Mission Profile: More than 90 hours of instruction and training are covered in 8 days. Participants, depending on their track of study, utilize aircraft cockpit trainers, the Underwater Astronaut Trainer (UAT) or a space station module. The curriculum is patterned after NASA crew training manuals.

Mission Planning – Participants are placed in one of three tracks of study and training: Technology (payload specialist), Engineering (mission specialist) or Aerospace (commander or pilot). Members of all three tracks work together in integrated group sessions to plan space shuttle missions.

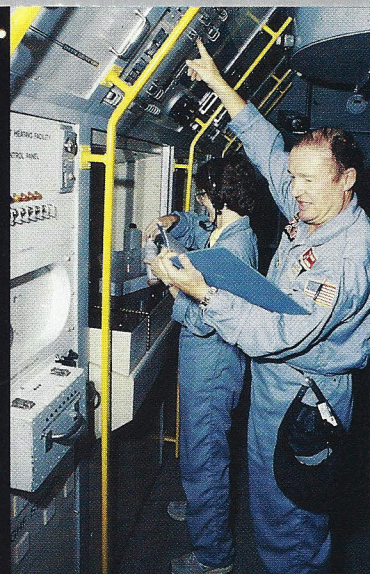
Technology Track – Technology students design and conduct space experiments aboard the space shuttle and space station simulators. Experiments range from superconductivity and human physiological experiments, to performing pre-EVA physicals, soil and water analysis and a variety of other experiments. Students also participate in an entry-level SCUBA experience. Track specific instruction includes astrophysics, materials processing and emergency medical procedures for space flight.

Engineering Track – The engineering track is designed to provide students with hands-on training in simulated Extra-Vehicular Activities (EVAs) aboard the space shuttle, as well as training as Station Specialists aboard space station. The engineering track also receives SCUBA training in the UAT. Academic instruction for the engineering track includes robotics, engineering fields and space environment.

Aerospace Track – Aerospace track trainees focus on the educational requirements necessary for aerospace engineers, shuttle commanders, pilots or aviation careers. The aerospace track provides training in space shuttle piloting, along with directing the shuttle from Mission Operations Control Room. The academic program includes celestial navigation, orbital mechanics and space shuttle piloting.

Graduation – Ceremonies are held on Saturday at 1 pm.

PLEASE NOTE: Tracks are assigned on a first-come basis according to preferences indicated while booking your reservation. Applicants will be sent forms for physician approval for SCUBA instruction. SCUBA forms (for Engineering and Technology students) should be returned to us for review by our medical and diving staff at least SIX WEEKS prior to arrival and no earlier than three months prior. Physical requirements are noted on form. Trainees with any history of asthma or ear problems will not be allowed to SCUBA dive.



ADULT AVIATION CHALLENGE

Three-day simulated fighter-pilot program in Alabama



To climb into the cockpit of an F-14 Tomcat, roar into the sky and cruise at Mach 2 is an impossible dream for all but a handful of "Top Gun" pilots. But ADULT AVIATION CHALLENGE offers a spine-tingling simulation of such a fighter-pilot fantasy.

Adults (age 19 or older) become weekend jet jockeys using simulators at the Aviation Challenge training center. Developed from actual military pilot training procedures, this program offers unique experiences to all adults (except, perhaps, pilots, engineers and aero-space personnel).

Orientation – (Participants should make their own arrangements for Thursday night lodging.) After check-in (Friday at 9 am), trainees study water survival procedures, parachute descent and disentanglement, low-level navigation and tactical maneuvering.

Fitness Training – Calisthenics and obstacle course training help prepare students for the rigors of aviation. Water survival procedures are practiced with the 40-foot tower slide wire and para-drag, which simulates a parachute descent into water, and with the helo lift, which simulates helicopter rescue.

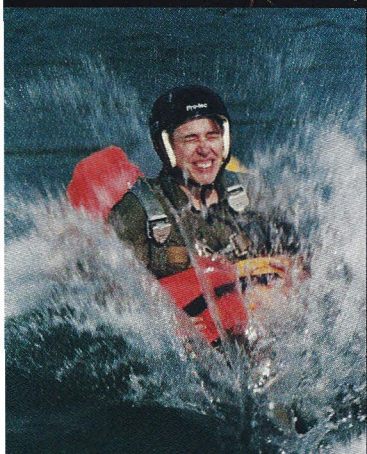
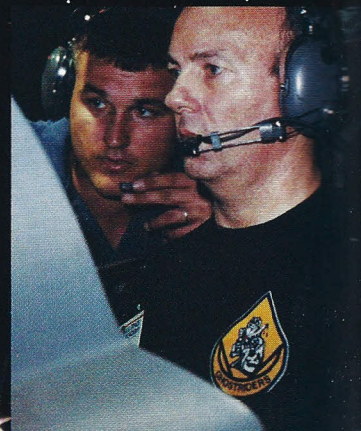
Training Exercises – Realistic simulators give participants an appreciation of the calm nerves and steady hands needed for aircraft operations and precision aeronautics. Trainees review aircraft carrier qualifications and learn the basics of air-to-air intercepts.

Fighter Pilot Skills – Squadron members learn about tactical maneuvering, military aviation careers and navigation. Lectures, conducted by former military pilots, focus on these skills and simulator training complements the academic lessons. Pilots must know how to survive in the event of an emergency parachute ejection. Squadron members study the challenges of land navigation, food procurement and shelter building.

Flight Trainer Maneuvers – Trainees learn the basics of air-to-air intercepts, then buckle up for flight trainer maneuvers. Piloting finesse will help to outmaneuver the aerial nemesis and make a precision landing on the thin white line of an aircraft carrier.

Aerial Combat Mission – Thumbs up! Trainees strap themselves into the jump seat of a simulator, grip the stick, check the instruments, and they're off! Then, as ace jet jockeys, they break the excitement barrier!

Graduation – The 1 pm Sunday graduation ceremony includes the presentation of the top fighter-pilot award.



"SPACE CAMP IS FIRST CLASS"

Alan Shepard – First American in Space



"Space Camp is first class. If it helps train, entice, encourage and motivate young people to get involved in space technology, then obviously our country is going to be much better because of it."

Alan Shepard
1st American in Space

"Both my son (Aviation Challenge) and my daughter (Academy II) agree they each had memorable, fun filled learning experiences."

Patricia Cordover
Agoura Hills, CA

"I have grown up with my dreams to fly for my country and have worked extremely hard to achieve high levels of excellence in order to meet the demands of a military career and excel at a military academy. For two years, your staff at Aviation Challenge has helped me to dream even higher and work even harder."

Jodi Scheetz 17
Overland Park, KS

"We wanted Tiffany to discover that science could be fun because at school sometimes they almost have a clinical approach to it. Opportunities like Space Camp are what kids need to get excited about science."

Ila Horner (Tiffany's Mom)
Long Grove, IL

"Before I went to Space Camp, I just sort of slid through science and math. But now I get better grades in math and a whole lot better grades in science."

Melissa Kaconich 15
Sparks, NV

"It's the first place I've ever been where it was cool to be smart."

Lyle Coleman 16
Indiana

"It was hard work, fun work."

Nathan Crook 11
Beaver Dam, WI

"Obviously, everything was simulated. But by our reactions and how determined we were to solve all the problems, you would have thought it was the real thing. It was great."

Gina Palazzari 17
Moose Lake, MN

"One of the most important things we learned at Space Academy was to believe in your dreams."

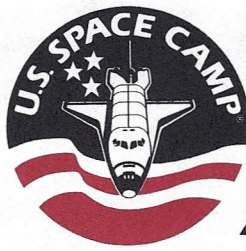
Charlotte Oshe 13
Scanada, CA

"I really learned what it was like to be an engineer for NASA. I feel like I know almost everything about the space shuttle now."

Mary Dunn 16
Cedar City, VT

"After I went to Level One, I knew I wanted a job involved with the space program."

Jennifer Savach 18
Youngstown, OH



MISSION STATEMENT

To use the excitement of the U.S. space program to stimulate young people's interests in the study of math, science and technology.

U.S. SPACE CAMP/ACADEMY is an educational program that couples classroom instruction with hands-on activities. Trainees learn about space flight and the space program in lectures, tours and seminars, and put this information to practical use in exciting simulations.

Young people from across the nation attend programs at U.S. SPACE CAMP to learn how they can become involved in science and space technology. Some plan to become pilots, others hope to pursue careers in aerospace engineering and still others aspire to become astronauts of the 21st century. Many enjoy the experiences of astronaut training while studying the variety of high-tech careers that will be open to them.

The educational programs teach teamwork, decision-making and leadership. Dr. Wernher von Braun, the rocket scientist whose Huntsville team sent astronauts to the Moon, inspired these programs that have challenged and educated youngsters from around the world.

The Alabama program began in 1982 and is sponsored and conducted by the U.S. Space & Rocket Center, a non-profit educational institution. The Florida program, started in 1988, is sponsored by the U.S. Space Camp Foundation and the Mercury Seven Foundation. The Mercury Seven Foundation is the organization of America's original astronauts headed by Admiral Alan B. Shepard, America's first astronaut and Apollo 14 commander.

SCHOOL SYSTEMS ENDORSE EDUCATIONAL IMPORTANCE OF U.S. SPACE CAMP PROGRAMS:

The educational importance of the SPACE CAMP program is endorsed by school systems all over the United States which allow their students to attend sessions during the school year. Students may obtain approved absences and complete science or math projects for extra class credit.

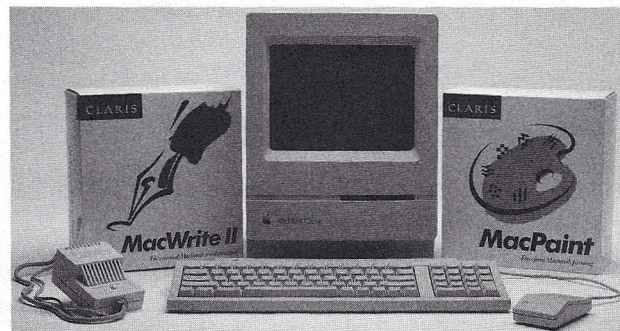
U.S. SPACE CAMP curriculum is correlated with the National Standards established by the *National Council of The Teachers of Mathematics* as well as Science Standards of selected states. The State Department of Education in Alabama endorses our curriculum as educationally sound.

The Education Department at U.S. SPACE CAMP works with school administrators and teachers who wish to enhance their science or math courses. Studies show that 90 percent of U.S. SPACE CAMP trainees report a greater interest in science and technology after attending, and 65 percent actually take additional math or science courses.

Parents can enjoy considerable savings by scheduling their child's U.S. SPACE CAMP session during the school year.

APPLE COMPUTER OFFER:

Don't have a computer — or want to upgrade? Apple ComputerSM is offering a special discount computer package to all 1991-92 graduates of U.S. SPACE CAMP, U.S. SPACE ACADEMY, and AVIATION CHALLENGE. Three special packages are available. One features a Macintosh Classic CPU, Hayes Personal Modem 2400 plus, Claris MacWrite II and MacPaint software, software to access SPACEMAIL, mousepad, communication software, warranties and more for only \$1,079 (plus tax and shipping). That's over \$500 off the regular retail price of \$1,617.00. Call 1-800-226-6788 for more information!



MAIL COMPLETED APPLICATION TO:

U.S. SPACE CAMP
1992 Reservations
P.O. Box 1680-A
Huntsville, AL 35807-0680

COMPLETE ONLY IF RESERVATION IS MADE BY PHONE.

Session Date: _____ Reservation No.: _____

Date reservation phoned in: _____

INCOMPLETE APPLICATIONS CANNOT BE PROCESSED.

You will receive confirmation notice and required Health Form within four weeks after receipt by the office.
PLEASE RETURN THIS APPLICATION WITH THE TUITION. SEE METHOD OF PAYMENT SECTION BELOW.
PLEASE MAKE PHOTO COPIES OF ALL DOCUMENTS BEFORE SENDING RESERVATIONS.

| SPACE CAMP Alabama | SPACE CAMP Florida | SPACE ACADEMY Level I | SPACE ACADEMY Level II | AVIATION CHALLENGE Basic | AVIATION CHALLENGE Intermediate |
|-------------------------------------|-------------------------------------|----------------------------------|-----------------------------------|---|--|
| Circle Grade currently attending | Circle Grade currently attending | Circle Grade | Circle Grade | Circle Grade | Circle Grade |
| 4 5 6 | 4 5 6 7 | 7 8 9 | 10 11 12 | 7 8 9 | 10 11 12 |

Please fill out this application even if you have already made your reservation by phone.

ALL APPLICANTS - PLEASE PRINT

Name _____
Last First Middle

Parent/Guardian _____

Address _____

City _____

State _____ Zip Code _____

Sex _____ Date of Birth _____ Age _____

Name for Name Tag _____

Teammate preference _____
(If you order a video remember to have your teammate order one also.)

Home Phone (AC _____) _____

Business Phone (AC _____) _____

For School Teacher or Principal Only

I approve of my student's participation in SPACE CAMP: Yes No

This student has my approval to attend SPACE CAMP during the school year: Yes No

Student will receive extra project credit for participation in SPACE CAMP/ACADEMY or AVIATION CHALLENGE: Yes No

High School Only:
Participation in SPACE CAMP or AVIATION CHALLENGE will enable student to receive _____ Carnegie Unit(s) toward science credits required for graduation.

Principal or Teacher:
Please send me information on SPACE CAMP science or math projects for extra credit.

Name _____

School _____

Address/Zip _____

I would like information on the SPACE CAMP FOR EDUCATORS Yes No

Signature _____

SPACE CAMP AND SPACE ACADEMY LEVEL I AND II

Sessions will fill rapidly. In order to process your application faster, please choose three dates in each of the spring months and summer months, **unless you wish to register for spring only**. You may change your session date once without penalty. After the initial change, you will be required to pay a fee of \$25 per change. If you transfer from one year to another, you are subject to a \$50 transfer fee at the time of the transfer.

Please indicate choices below:

SPRING 1st choice _____
(Feb.-May)

2nd choice _____

3rd choice _____

SUMMER 1st choice _____
(June-Aug.)

2nd choice _____

3rd choice _____

FALL Indicate Choice _____
(Sept.-Dec.)

In case my choices are full, please put me on a waiting list for

(week of)

TRACK PREFERENCE: LEVEL II ONLY

_____ 1st _____ 2nd _____ 3rd (Aeros., Eng. or Tech.)

PAYMENT

TUITION (See rates on page 17) \$ _____

Buddy Deduction: \$50 (See page 17) _____

Team Video: \$45 (See pages 17 and 20) _____

College Credit Fee _____

Uniform Package: \$75 (Size: _____) _____

Amount Enclosed TOTAL \$ _____

☐ Check or Money order (Sorry, No COD's)
Payable to The Space & Rocket Center

☐ VISA ☐ MasterCard ☐ Discover ☐ American Express

Card No. _____

MO. YEAR

EXPIRATION DATE

Signature Required

**FOR OFFICE USE ONLY
REGISTRATION STATUS**

Session (Date) _____

Waiting List _____

Transferred _____

1992 APPLICATION

NAME

LAST

FIRST

MAIL COMPLETED APPLICATION TO:

U.S. SPACE CAMP
1992 Reservations
P.O. Box 1680-A
Huntsville, AL 35807-0680

COMPLETE ONLY IF RESERVATION IS MADE BY PHONE.

Session Date: _____ Reservation No.: _____

Date reservation phoned in: _____

INCOMPLETE APPLICATIONS CANNOT BE PROCESSED.

You will receive confirmation notice and required Health Form within four weeks after receipt by the office.
PLEASE RETURN THIS APPLICATION WITH THE TUITION. SEE METHOD OF PAYMENT SECTION BELOW.
PLEASE MAKE PHOTO COPIES OF ALL DOCUMENTS BEFORE SENDING RESERVATIONS.

| | | | | |
|---|--|---|---|--|
| ADULT SPACE ACADEMY Circle Grade Level I Level II | ADULT AVIATION CHALLENGE Occupation _____ | PARENT/CHILD Circle One Alabama Florida | EDUCATOR LEVEL I List Grade, Subject or Administrator _____ | EDUCATOR AND ACCREDITED SESSION Circle One Alabama Florida |
|---|--|---|---|--|

Please fill out application even if you have already made your reservation by phone.

ALL APPLICANTS - PLEASE PRINT

Name _____
Last First Middle

Address _____

City _____

State _____ Zip Code _____

Occupation _____

Sex _____ Date of Birth _____ Age _____

Name for Name Tag _____

Teammate preference _____

Home Phone (AC _____) _____

Parent or Guardian
Business Phone (AC _____) _____

PAYMENT

TUITION (See rates on page 17) \$ _____

Uniform Package: \$75 _____

Size: _____

Amount Enclosed TOTAL \$ _____

☐ Check or Money order (Sorry, No COD's)

Payable to The Space & Rocket Center

☐ VISA ☐ MasterCard ☐ Discover ☐ American Express

Card No. _____

MO. YEAR
EXPIRATION DATE

Signature Required _____

TEACHER PROGRAM

You may change your session once without penalty. After the initial change, you will be required to pay a fee of \$25.00 per change.
If you transfer from one year to another, you are subject to a \$50.00 transfer fee at the time of the transfer.

1st choice _____

2nd choice _____

3rd choice _____

**FOR OFFICE USE ONLY
REGISTRATION STATUS**

Session(Date) _____ Waiting List _____
Transferred _____

_____ CC MO CSH
Date received fee

ADULTS / EDUCATORS

NAME

LAST

FIRST

PARENT AND CHILD SPACE CAMP

13

Three-day sessions in Alabama & Florida for parents and youngsters together



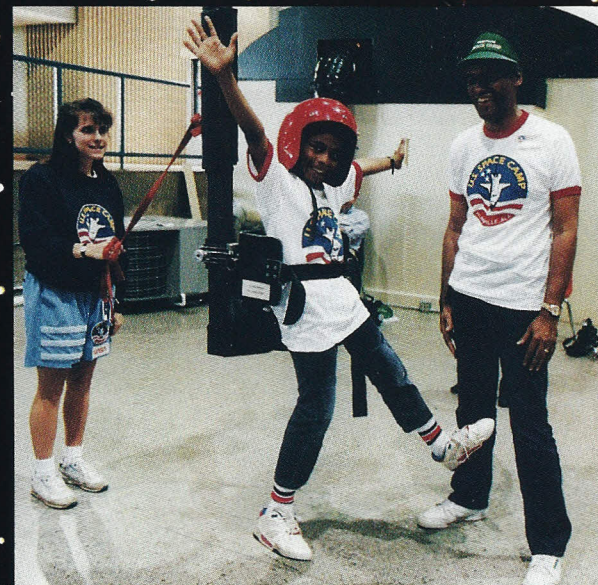
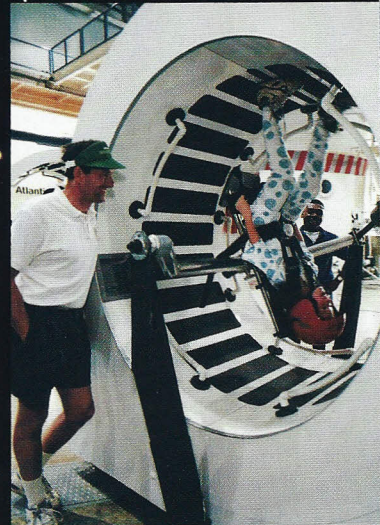
Share an adventure with your child! There's no better place than at SPACE CAMP. Parents who are looking for a meaningful, memorable experience with their child will be delighted to know that SPACE CAMP offers special Parent/Child sessions during several weekends throughout the year. This unique opportunity allows parents to participate in the development of their child's confidence, leadership skills and sense of adventure. The program begins on Friday morning and concludes on Sunday morning and is recommended for children ages 7 through 11 with a parent or guardian.

Activities – Parents and their youngsters participate in various activities throughout the weekend, including exciting tours of the U.S. Space and Rocket Center and NASA's Marshall Space Flight Center (Alabama program) and the U.S. Astronaut Hall of Fame and NASA's Kennedy Space Center (Florida program). Together, they build and launch model rockets, construct large space structures and use the astronaut training simulators such as the Five Degrees of Freedom Chair, the Manned Maneuvering Unit and the 1/6 Gravity Chair. Parents and children become real teammates during the highlight of the weekend: two simulated shuttle missions. Whether side-by-side on mission control or working together on the shuttle crew, families can benefit from a new, fun kind of closeness. To get an even better view of space, participants enjoy big-screen films with dramatic footage of actual flights and shuttle missions and watch as mission specialists perform EVA's similar to exercises included in their shuttle mission.

Housing – In Alabama, parents and children can stay together in the SPACE CAMP Habitat. In Florida, parents and children of different sexes will be housed in different dormitories.

Transportation – Participants should schedule flights to arrive by 10 am Friday. Families arriving at Orlando International Airport will be met at the Currency Exchange Booth in the main terminal on Friday morning to be transported to SPACE CAMP by a uniformed representative. An airport transfer fee of \$25 (Orlando only) is payable at least two weeks prior to your arrival to insure your reservation for transportation to SPACE CAMP. (PLEASE NOTE: Each participant should make his own arrangements for Thursday night lodging.)

Graduation – Graduation is Sunday at 9 am. Wings, certificates and The Right Stuff awards are presented.



SPACE ACADEMY FOR EDUCATORS

Five-day university credit courses in Alabama & Florida for professional educators



Mission Statement: To assist professional educators in motivating young people toward greater achievements in math and science by involving students in the excitement of space exploration.

Alabama Space Orientation for Professional Educators

Offered jointly by U.S. SPACE ACADEMY and The University of Alabama in Huntsville (UAH), this 5-day program is also supported by NASA's Marshall Space Flight Center. Marshall, traditionally NASA's leading Center for propulsion development, provides a unique technology emphasis available only through the Huntsville-based programs.

The emphasis of this course is building a knowledge base for teachers through lectures conducted by university staff and NASA personnel. In addition, time is spent at the U.S. Space & Rocket Center touring the Museum and conducting a simulated mission at the U.S. SPACE ACADEMY Training Center. Plus, astronaut speakers are scheduled to highlight program activities.

Three semester hours of graduate credit are made available in elementary education, secondary education or science. Meals from Sunday evening through Friday lunch are provided. Housing is at the UAH Bevil Center.

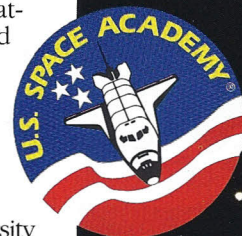
Florida Professional Educators Countdown to Learning

Offered jointly by U.S. SPACE CAMP Florida and an accredited Florida university, this 5-day program is also supported by NASA's John F. Kennedy Space Center. NASA's launch complex provides a singular perspective to space technology available only through the Florida program.

The emphasis of this course is building a knowledge base for teachers through lectures conducted by university staff and NASA personnel. In addition, time is spent at the Spaceport USA museum touring NASA's Kennedy Space Flight Center and flying a simulated shuttle mission at the U.S. SPACE CAMP Florida Training Center.

Participants may apply separately to obtain three semester hours of graduate credit (costs of credits included in program fee). Meals from Tuesday evening through Sunday lunch are provided. Housing is at a nearby motel.

Curriculum: Presentations and lecture topics cover such subjects as NASA's Past, Present and Future; Rocket Propulsion; Mission Training; Space Shuttle Systems; Space Station; Astronomy; Celestial Navigation; Space Physiology; and Curriculum and Lesson Planning. Participants tour the Marshall Space Flight Center (Alabama) or Kennedy Space Center (Florida), view big-screen films and work in the NASA Teacher Resource Center. (Bring blank video cassettes, 5 1/4" computer disks and slide film for duplication in the resource lab.)



SPACE ACADEMY FOR EDUCATORS

15

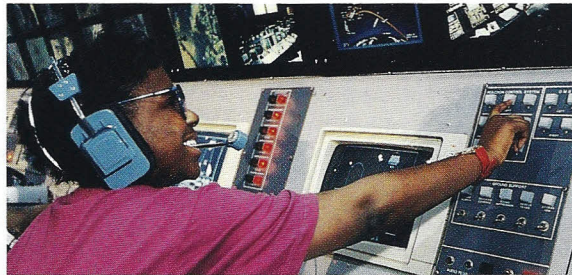
Five-day educator program in Alabama featuring interaction and hands-on activities

Space Orientation: A Hands-On Program for Educators

Interaction, integration and hands-on activities are the key elements of this 5-day program. The emphasis of this course is to build a knowledge base and create a strategy for teaching space technology courses.

Teachers receive guest/staff lectures, are given a NASA tour and are involved in a Discovery Lab. Additional activities include two simulated shuttle missions, propulsion instruction, basic astronaut training and many problem solving sessions. You'll even design and build a model space station. Plus, astronaut speakers are scheduled to highlight program activities. Finally, take home your own special log book of hands-on, classroom applications and resources to use with your students.

Registration begins on Sunday at 2 pm and the program concludes by 10:00 am, Friday. Housing is provided from Sunday night through Friday noon at an off-site facility located nearby. Meals from Sunday night dinner through Friday breakfast are included. Teachers should apply locally for in-service credit.



"I learned a lot, and, at a point in my career when I was becoming discouraged as a teacher, I received a new inspiration. Because of this experience, I will return to my classroom in the fall with a better feeling about my place in preparing for the future of this country. I once again can see the importance of teaching and education as I viewed it in my early years of teaching."



1992 SESSION DATES

Call 1-800-63 SPACE today to reserve your session

U.S. SPACE CAMP: Alabama U.S. SPACE ACADEMY I: Alabama

| SESSION/DATE | SESSION/DATE | SESSION/DATE |
|-------------------|--------------------|--------------------|
| 7 Feb. 16-21 | 22 May 31-June 5 | 37 Sept. 13-18 |
| 8 Feb. 23-28 | 23 June 7-12 | 38 Sept. 20-25 |
| 9 Mar. 1-6 | 24 June 14-19 | 39 Sept. 27-Oct. 2 |
| 10 Mar. 8-13 | 25 June 21-26 | 40 Oct. 4-9 |
| 11 Mar. 15-20 | 26 June 28-July 3 | 41 Oct. 11-16 |
| 12 Mar. 22-27 | 27 July 5-10 | 42 Oct. 18-23 |
| 13 Mar. 29-Apr. 3 | 28 July 12-17 | 43 Oct. 25-30 |
| 14 Apr. 5-10 | 29 July 19-24 | 44 Nov. 1-6 |
| 15 Apr. 12-17 | 30 July 26-31 | 45 Nov. 8-13 |
| 16 Apr. 19-24 | 31 Aug. 2-7 | 46 Nov. 15-20 |
| 17 Apr. 26-May 1 | 32 Aug. 9-14 | 48 Nov. 29-Dec. 4 |
| 18 May 3-8 | 33 Aug. 16-21 | 49 Dec. 6-11 |
| 19 May 10-15 | 34 Aug. 23-28 | 50 Dec. 13-18 |
| 20 May 17-22 | 35 Aug. 30-Sept. 4 | 52 Dec. 27-Jan. 1 |
| 21 May 24-29 | 36 Sept. 6-11 | |

U.S. SPACE CAMP: Florida

| SESSION/DATE | SESSION/DATE | SESSION/DATE |
|-------------------|-------------------|--------------------|
| 9 Mar. 1-6 | 20 May 17-22 | 31 Aug. 2-7 |
| 10 Mar. 8-13 | 21 May 24-29 | 32 Aug. 9-14 |
| 11 Mar. 15-20 | 22 May 31-June 5 | 33 Aug. 16-21 |
| 12 Mar. 22-27 | 23 June 7-12 | 34 Aug. 23-28 |
| 13 Mar. 29-Apr. 3 | 24 June 14-19 | 35 Aug. 30-Sept. 4 |
| 14 Apr. 5-10 | 25 June 21-26 | 36 Sept. 6-11 |
| 15 Apr. 12-17 | 26 June 28-July 3 | 37 Sept. 13-18 |
| 16 Apr. 19-24 | 27 July 5-10 | 38 Sept. 20-25 |
| 17 Apr. 26-May 1 | 28 July 12-17 | 39 Sept. 27-Oct. 2 |
| 18 May 3-8 | 29 July 19-24 | |
| 19 May 10-15 | 30 July 26-31 | |

U.S. SPACE ACADEMY II: Alabama

| SESSION/DATE | SESSION/DATE | SESSION/DATE |
|-------------------|--------------------|--------------------|
| 7 Feb. 15-22 | 22 May 30-June 6 | 37 Sept. 12-19 |
| 8 Feb. 22-29 | 23 June 6-13 | 38 Sept. 19-26 |
| 9 Feb. 29-Mar. 7 | 24 June 13-20 | 39 Sept. 26-Oct. 3 |
| 10 Mar. 7-14 | 25 June 20-27 | 40 Oct. 3-10 |
| 11 Mar. 14-21 | 26 June 27-July 4 | 41 Oct. 10-17 |
| 12 Mar. 21-28 | 27 July 4-11 | 42 Oct. 17-24 |
| 13 Mar. 28-Apr. 4 | 28 July 11-18 | 43 Oct. 24-31 |
| 14 Apr. 4-11 | 29 July 18-25 | 44 Oct. 31-Nov. 7 |
| 15 Apr. 11-18 | 30 July 25-Aug. 1 | 45 Nov. 7-14 |
| 16 Apr. 18-25 | 31 Aug. 1-8 | 46 Nov. 14-21 |
| 17 Apr. 25-May 2 | 32 Aug. 8-15 | 48 Nov. 28-Dec. 5 |
| 18 May 2-9 | 33 Aug. 15-22 | 49 Dec. 5-12 |
| 19 May 9-16 | 34 Aug. 22-29 | 50 Dec. 12-19 |
| 20 May 16-23 | 35 Aug. 29-Sept. 5 | 52 Dec. 26-Jan. 2 |
| 21 May 23-30 | 36 Sept. 5-12 | |

AVIATION CHALLENGE: Basic - Alabama

| SESSION/DATE | SESSION/DATE | SESSION/DATE |
|------------------|-------------------|---------------|
| 21 May 24-29 | 26 June 28-July 3 | 31 Aug. 2-7 |
| 22 May 31-Jun. 5 | 27 July 5-10 | 32 Aug. 9-14 |
| 23 June 7-12 | 28 July 12-17 | 33 Aug. 16-21 |
| 24 June 14-19 | 29 July 19-24 | 34 Aug. 23-28 |
| 25 June 21-26 | 30 July 26-31 | |

AVIATION CHALLENGE: Intermed. - Alabama

| SESSION/DATE | SESSION/DATE | SESSION/DATE |
|------------------|-------------------|--------------------|
| 21 May 24-29 | 26 June 28-July 3 | 31 Aug. 2-7 |
| 61 May 27-Jun. 1 | 66 July 1-6 | 71 Aug. 5-10 |
| 22 May 31-Jun. 5 | 27 July 5-10 | 32 Aug. 9-14 |
| 62 June 3-8 | 67 July 8-13 | 72 Aug. 12-17 |
| 23 June 7-12 | 28 July 12-17 | 33 Aug. 16-21 |
| 63 June 10-15 | 68 July 15-20 | 73 Aug. 19-24 |
| 24 June 14-19 | 29 July 19-24 | 34 Aug. 23-28 |
| 64 June 17-22 | 69 July 22-27 | 35 Aug. 30-Sept. 4 |
| 25 June 21-26 | 30 July 26-31 | |
| 65 June 24-29 | 70 July 29-Aug. 3 | |

ADULT SPACE ACADEMY-Level I: Alabama

| SESSION/DATE | SESSION/DATE | SESSION/DATE |
|---------------|-------------------|---------------|
| 18 May 1-3 | 30 July 24-26 | 40 Oct. 2-4 |
| 23 June 5-7 | 31 July 31-Aug. 2 | 41 Oct. 9-11 |
| 24 June 12-14 | 32 Aug. 7-9 | 42 Oct. 16-18 |
| 25 June 19-21 | 33 Aug. 14-15 | 43 Oct. 23-25 |
| 26 June 26-28 | 36 Sept. 4-6 | 45 Nov. 6-8 |
| 27 July 3-5 | 37 Sept. 11-13 | 46 Nov. 13-15 |
| 28 July 10-12 | 38 Sept. 18-20 | |
| 29 July 17-29 | 39 Sept. 25-27 | |

ADULT SPACE ACADEMY-Level II: Alabama

| SESSION/DATE | SESSION/DATE |
|---------------|-------------------|
| 45 Nov. 7-14 | 48 Nov. 28-Dec. 5 |
| 46 Nov. 14-21 | 49 Dec. 5-12 |

PARENT AND CHILD SPACE CAMP (for children ages 6-12)

| ALABAMA | | FLORIDA | |
|--|-------------------|--|--------------|
| SESSION/DATE | SESSION/DATE | SESSION/DATE | SESSION/DATE |
| 18 May 1-3 | 27 July 3-5 | 7 Feb. 14-16 | |
| 19 May 8-10 Mothers and daughters only | 29 July 17-19 | 11 Mar. 13-15 | |
| 20 May 15-17 | 30 July 24-26 | 19 May 8-10 Mothers and daughters only | |
| 21 May 22-24 | 31 July 31-Aug. 2 | 21 May 22-24 | |
| 23 June 5-7 | 32 Aug. 7-9 | 25 June 19-21 Fathers and sons only | |
| 24 June 12-14 | 33 Aug. 14-16 | 27 July 3-5 | |
| 25 June 19-21 Fathers and sons only | 34 Aug. 21-23 | 32 Aug. 7-9 | |
| 26 June 26-28 | 35 Aug. 28-30 | 36 Sept. 4-6 | |

ADULT AVIATION CHALLENGE - Alabama

| SESSION/DATE | SESSION/DATE | SESSION/DATE |
|---------------|----------------|----------------|
| 22 May 29-31 | 33 Aug. 14-16 | 38 Sept. 18-20 |
| 24 June 12-14 | 36 Sept. 4-6 | 39 Sept. 25-27 |
| 29 July 17-19 | 37 Sept. 11-13 | |

SPACE ACADEMY FOR EDUCATORS

| ALABAMA | | FLORIDA | |
|-------------------|-------------------|---------------|--------------|
| SESSION/DATE | SESSION/DATE | SESSION/DATE | SESSION/DATE |
| 10 Mar. 8-13 | 7 Feb. 18-23 | 25 June 23-28 | |
| 24 June 14-19 | 13 Mar. 31-Apr. 5 | 27 July 7-12 | |
| 26 June 28-July 3 | 17 Apr. 28-May 3 | 29 July 21-26 | |
| 29 July 19-24 | 19 May 12-17 | 31 Aug. 4-9 | |
| 31 Aug. 2-7 | 20 May 19-24 | 33 Aug. 18-23 | |
| | 23 June 9-14 | | |

SPACE ORIENTATION: HANDS-ON - Alabama

| SESSION/DATE | SESSION/DATE | SESSION/DATE |
|-------------------|---------------|--------------|
| 23 June 7-12 | 27 July 5-10 | 31 Aug. 2-7 |
| 24 June 14-19 | 28 July 12-17 | 32 Aug. 9-14 |
| 25 June 21-26 | 29 July 19-24 | |
| 26 June 28-July 3 | 30 July 26-31 | |

To reserve your place in space with a credit card,
call our Reservations Department toll-free:

1-800-63 SPACE

HOW TO REGISTER

Tuition includes meals, accommodations and educational materials

To reserve a specific SPACE CAMP, SPACE ACADEMY or AVIATION CHALLENGE session by phone, registrants should call our toll-free number and reserve by credit card – Visa, MasterCard, Discover or American Express. Your account will be billed at the time of your reservation. (Please mail in your completed application form in addition to your phone order.) The toll-free number for the Reservation Center is:

1-800-63 SPACE

Applicants may also register by mailing the completed application, noting their choices of session dates (pending availability) to:

**U.S. SPACE CAMP
One Tranquility Base
Huntsville, AL 35807-7015**

NOTE: Applications for SPACE CAMP Florida should also be sent to the Alabama address. A third method of registration is to complete the application form and send it with credit card information via FAX to: 205-837-6137.

IMPORTANT NOTE: After we receive your application, we will send you a printed Confirmation Notice with additional information, a Transportation Form to complete and return (if not arriving by car) and a Health Form that must be completed before arrival. Acceptance to the program depends upon the receipt of these forms and the completion of the Health Form to the staff's satisfaction.

Team Videotape: A videotape is available of your adventure at SPACE CAMP, SPACE ACADEMY Level I or AVIATION CHALLENGE ONLY IF YOU ORDER AT LEAST TWO WEEKS IN ADVANCE. The cost of \$45 includes shipping and handling. If you're coming to SPACE CAMP with a friend and you would both like to appear in the same video, you should both express teammate preference AND order videos in each of your telephone reservations and/or applications. Your 40-minute video will be received about 6 weeks after graduation.

Save \$50 With A Friend: Two or more SPACE CAMP trainees who enroll at the same time for the same session can each reduce their enrollment fee by \$50. Only a limited number of \$50 "buddy discounts"

are available for sessions prior to May 31, 1992. Easter sessions do not apply. Call for more details.

Transfer Request: All transfer requests must be received two weeks prior to your scheduled session. Any transfer request received less than 2 weeks prior to your session cannot be accepted.

Date Change Fee: If you transfer from one year to another, there is a \$50 transfer fee, plus any applicable increase in tuition. (Rates are subject to change. We reserve the right to cancel or change dates.)

Waiting Lists: If your desired session is filled, we can place you on our waiting list. You must pay full fee for the session at the time you register. Waiting list reservations are refunded at 100 percent if you choose to cancel or if no openings are available. In the event you clear the waiting list for your chosen session, you will be notified with a confirmation letter within a week.

Gift Certificates: Gift certificates (for birthdays, Christmas, etc.) are available for all programs. Please allow 4-6 weeks to process your gift certificate request.

Refunds: If you must cancel your registration, you will receive:

- 90 percent of the tuition if a written notice is received 8 weeks or more prior to the session start.
- 80 percent of the tuition if a written notice is received 5 weeks or more prior to the session start.
- 75 percent of the tuition if a written notice is received 4 weeks or more prior to the session start.
- 50 percent of the tuition if a written notice is received 3 weeks or more prior to the session start.

If you cancel two weeks or less before the start of your session, you will forfeit the tuition. You may reschedule upon physician's verification of illness or accident if reservation is cancelled two weeks out or less. Trainees who must leave during training for emergency reasons or illness may be invited to return at a future date at no additional charge (subject to approval by the program director). Trainees who leave for other reasons (homesickness, etc.) will not receive a refund.

1992 TUITION

| Program | Grade | Days | Feb-May*** | June-Aug. | Sept.-Dec. |
|---------------------------------|-------|------|------------|-----------|------------|
| YOUTH | | | | | |
| U.S. SPACE CAMP - Alabama | 4-6 | 5 | \$450 | \$550 | \$425 |
| U.S. SPACE CAMP - Florida | 4-7 | 5 | \$450 | \$550 | \$425 |
| U.S. SPACE ACADEMY - Level I* | 7-9 | 5 | \$500 | \$600 | \$475 |
| U.S. SPACE ACADEMY - Level II* | 10-12 | 8 | \$675 | \$675 | \$675 |
| AVIATION CHALLENGE* | 7-12 | 5 | \$650 | \$650 | \$650 |
| ADULT | | | | | |
| ADULT SPACE ACADEMY - Level I* | | 3 | \$450 | \$450 | \$450 |
| ADULT SPACE ACADEMY - Level II* | | 8 | — | — | \$675 |
| ADULT AVIATION CHALLENGE* | | 3 | \$500 | \$500 | \$500 |
| SPACE ACADEMY FOR EDUCATORS* | | 5 | \$625 | \$625 | \$625 |
| EDUCATORS CREDIT COURSES** | | 5 | \$750 | \$750 | \$750 |
| PARENT & CHILD SPACE CAMP** | | 3 | \$500 | \$500 | \$500 |

*Denotes Alabama location only. **Denotes programs in Alabama and Florida. ***Easter tuitions from April 12-26 are the same as June-August session. Session 22, May 31-June 5 tuition is the same as June-August. Tuitions are subject to change without notice.

TRANSPORTATION AND HOUSING

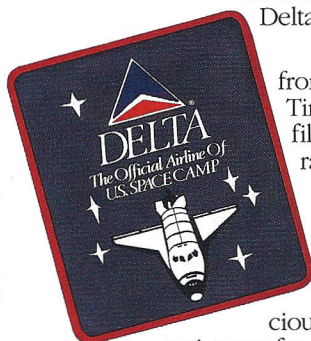
Airline Reservations: Delta is the official airline of U.S. SPACE CAMP, with daily service from 175 cities to Huntsville, Alabama and Orlando, Florida. For the lowest available discount fares (and no

Unaccompanied Minor Fee) call Delta reservations toll-free at

1-800-241-6760

from 8 am to 8 pm Eastern Time. Be sure to ask for the file "SPACE CAMP." Group rates are also available.

Delta Air Lines will make sure SPACE CAMP attendees have a safe, comfortable flight, with fun magazines, delicious food and any necessary assistance for connecting flights.



Transportation Details: With your confirmation notice, you will receive a very important TRANSPORTATION FORM. Please return this form no later than 4 WEEKS prior to your scheduled arrival to ensure assistance and pick-up. If you notify us of your plans, verification of transportation will be sent to you prior to your arrival, and a staff member will meet your plane or bus. (NOTE: For SPACE CAMP Florida attendees who arrive by air in Orlando, there is a \$25 airport transfer fee, payable upon registration.)

If we have not received the form 2 WEEKS before your arrival, we will assume you are arriving by car and do not require personnel to meet your plane or bus. PLEASE INFORM US OF ANY CHANGES IN YOUR TRANSPORTATION PLANS SO THAT WE MAY ASSIST YOU IF NECESSARY.

If you have a transportation problem en route or upon arrival, call the SPACE CAMP office at

**205-721-7185 (Alabama) or
407-267-3184 (Florida)**

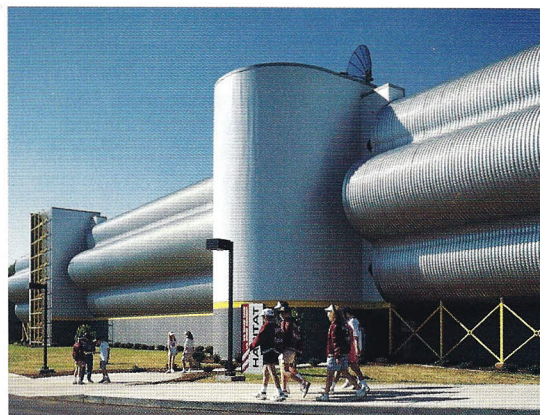
Tell us your location and problem and DO NOT leave the airport or bus terminal.

If you are driving to SPACE CAMP Alabama or SPACE CAMP Florida, directions will be sent with your confirmation notice.

Health Care: In Alabama, nurses are on duty 24 hours a day; in Florida, nurses are on duty during program hours and are on call during non-program hours. For an accident or illness requiring special care, a Health Information Sheet will be included in your confirmation package. Please complete and return this sheet before arrival. Make extra copies — one to bring and one to leave at home.

Some of the space flight simulators used in the programs may cause motion sickness. Some training devices have height and weight restrictions: Minimum height is 4'4", maximum height is 6'3" and maximum weight is 260 lbs. Participation in simulator activities is not a requisite for graduation. For safety or maintenance reasons, specific simulators used by the trainees may vary.

Housing: Alabama — SPACE CAMP and ACADEMY trainees are housed in the Space Habitat Complex. It is not possible to guarantee lodging in a specific unit of the Habitat. Open bay environments in Habitat II are mainly utilized for SPACE CAMP children under supervision. AVIATION CHALLENGE participants are housed in an off-site, fully supervised, military-style facility on the campus of the University of Alabama in Huntsville. Teacher lodging is double occupancy. The following items are furnished: bed sheets and blanket, pillow and pillow case, towels and washcloths.



Meals: Alabama — Meals are provided from afternoon arrival through graduation by one of America's finest food-service operations (serving many universities, federal agencies and Congress). Meals in Alabama are served at the Training Center cafeteria. Snacks, soft drinks and other items are available at various sites.

Housing: Florida — SPACE CAMP Florida trainees stay in on-site open bay dormitory units. SPACE CAMP children are supervised by staff members living in each dormitory. The following items are furnished: bed sheets and blanket, pillow and pillow case, towels and washcloths.

Meals: Florida — Meals in Florida are served at the on-site cafeteria, located adjacent to the Training Center and dormitories. Snacks, soft drinks and other items are available at various sites.

Money Transfer: Cash advances are available for trainees needing emergency funds. A parent/guardian may provide cash to the trainee via credit card. (ALABAMA, phone 205-721-7185; FLORIDA, phone 407-267-3184.)

Travelers checks (or Shuttle Bucks, see below) are strongly recommended for trainees. SPACE CAMP offers a deposit service, but assumes no liability for cash or items not in our possession.

At SPACE CAMP, trainees may purchase Shuttle Bucks (special travelers checks good for SPACE CAMP merchandise). If lost or stolen, Shuttle Bucks are reimbursable after 3 weeks.

Phone Calls cannot be received by trainees on a routine basis. Trainees may use pay phones in the facility for outgoing calls. IN AN EMERGENCY, CALL 205-837-3400 OR 205-721-7185 TO REACH ALABAMA TRAINEES (24 hours); OR 407-258-3487 TO REACH FLORIDA TRAINEES (24 hours).

Mail can be received at the following addresses:

In Alabama:

Name
Date Registered
U.S. SPACE CAMP or
U.S. SPACE ACADEMY
One Tranquility Base
Huntsville, AL 35780

In Florida:

Name
Date Registered
U.S. SPACE CAMP
6225 Vectorspace Blvd.
Titusville, FL 32780

Please allow 4 to 5 days for delivery from over 100 miles.

Early Arrival/Late Departure: If airline or bus schedules require early arrival or late departure, counselor supervision, meals and lodging are available for a \$60 per day fee (not available to adults). Please arrange to arrive no earlier than 2 pm the day before your session begins, and arrange to depart before 2 pm the day after your session ends.

ACADEMIC SCHOLARSHIPS

Scholarships: Scholarships are available (Alabama and Florida programs) in the categories of Scholastic Achievement, Ethnic Background, and Financial Need. Competition is based on short essays submitted by applicants. For more information on rules and deadlines, write (do not phone) the Scholarship Office at U.S. SPACE CAMP.

Scout Merit Badges can be earned at SPACE CAMP (Aerospace or Space Exploration Merit Badges). Boy Scouts and Girl Scouts must bring the appropriate forms for SPACE CAMP staff.



CONTINUING YOUR SPACE ADVENTURE

Team Videotape: A videotape is available of your adventure at SPACE CAMP, SPACE ACADEMY Level I and AVIATION CHALLENGE. See page 18 (How to Register) for details. This tape shows most of the week's activities including you and each of your team members for about three minutes each.



IMPORTANT: Coming with a friend? If you order a videotape AND express a teammate preference, **the friend will be on the same video tape ONLY if he/she also reserves a tape.** Otherwise, an order for a video will automatically override teammate preference. It is not possible to order a video tape after arrival. Reserve your tape when making the session reservation by phone and/or complete the appropriate section of the Application Form and forward it by mail. Persons who are on a video team will be taped several times during their training activities. About 6 weeks following graduation, you will receive a 40-minute VHS tape. Video orders are accepted UNTIL two weeks prior to the start of the session. **Videotapes are not available for SPACE ACADEMY Level II, Adult or Educator programs.**

If we are unable to accommodate your video order, you will receive a refund.

Flight suits: Official flightsuits with emblems and the American flag are available either by pre-payment or purchase after arrival for \$75. Our flightsuits are similar to those worn by the astronauts. Should you wish to pay in advance, complete the appropriate space on the Registration Form and add \$75 to the total figure for your check or credit card payment. Please state your size when ordering.

Uniform: In place of the flightsuit, the trainee may prefer a summer or winter package.

SUMMER—2 T-shirts, 2 shorts and 1 windbreaker.

WINTER—1 sweat shirt, 1 sweat pants, 1 pair of shorts, 1 T-shirt and 1 windbreaker.

Available with logos of either SPACE CAMP or SPACE ACADEMY.

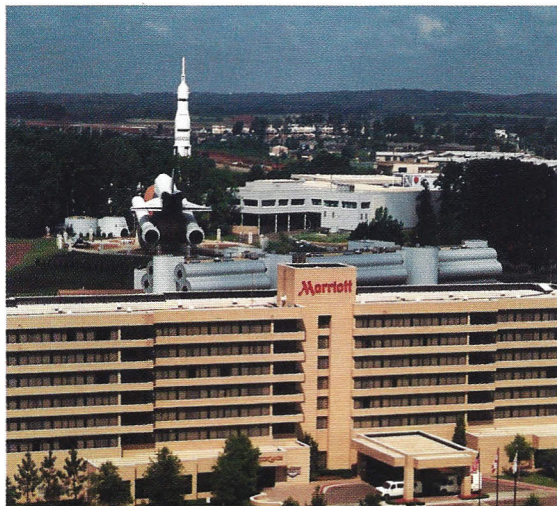


Space Gear Available By Mail: You can order Official SPACE GEAR clothing, mission insignias, books, videos and other items by mail. To receive a colorful SPACE GEAR catalog for \$1, phone 1-800-533-7281.

Gift Shops are located on-site in Alabama and Florida, featuring official SPACE GEAR clothing, NASA mission insignias, books, postcards and spacecraft models. (A survey of parents shows that trainees spend an average of \$75 on souvenirs.)

Spacemail: With a personal computer and a modem, you can keep your space adventure alive 365 days a year! This worldwide computer network offers space-related interactive, educational programs and lessons, space science databases, a bulletin board that lets you ask questions of aerospace experts, space games with prizes, the latest information on shuttle launches and other NASA activities and more! All for just \$20 a month for unlimited access during non-peak hours. For more information on SPACEMAIL, call 1-800-48 SPACE.

GRADUATION: ALABAMA U.S. SPACE & ROCKET CENTER



Family members are invited to participate in Huntsville graduation activities. Specific graduation information is included in your confirmation package. Plan to arrive early for graduation, then enjoy a leisurely tour of the U.S. Space & Rocket Center attractions afterward.

You'll receive two free tickets for the Space Center, Spacedome Theater and NASA Bus Tour.

U.S. Space & Rocket Center

The U.S. Space & Rocket Center — Alabama's largest tourist attraction — is also the nation's largest showcase of space technology. The Space Center established U.S. SPACE CAMP in 1982, extending the concept of its popular hands-on exhibits by creating incredible adventures in simulated space travel for young people and adults.

The Space & Rocket Center features America's only full-scale Space Shuttle exhibit, the actual Apollo 16 command module, the high fidelity model of Skylab and dozens of rockets that trace the history of our space program.

Spacedome Theater boasts a 67-foot domed screen and a state-of-the-art sound system. The high-tech effects and stunning cinematography re-create the sights and sounds of space as captured by U.S. shuttle astronauts — including breathtaking views of Earth.

And, as NASA's official visitor center, the U.S. Space & Rocket Center provides the only public access to NASA's Marshall Space Flight Center.

Huntsville Area Attractions: Huntsville's Twickenham Historic District, Alabama's largest antebellum district, is located just seven miles from the Space Center. The city's attractions include Constitution Hall Village, the 1819 Weeden House, the historic Huntsville Depot and the Huntsville Museum of Art. For more information on these and other attractions, call the Huntsville/Madison County

Convention & Visitors Bureau at 1-800-SPACE 4 U or call the Alabama Bureau of Tourism and Travel at 1-800-ALABAMA.

Taking Off For The U.S. Space & Rocket Center And SPACE CAMP: Alabama

Getting to the U.S. Space & Rocket Center is easy — no matter how you choose to travel (see transportation information on page 18). And staying overnight is easy, too.

Marriott. The Huntsville Marriott is conveniently located on the grounds of the U.S. Space & Rocket Center. Call the hotel at 205-830-2222 and ask about special SPACE CAMP family rates for Friday, Saturday and Sunday (other specials available weeknights, too). The Marriott's comfortable guest rooms overlook the Space Center, and the hotel features an indoor-outdoor swimming pool, family dining at Season's restaurant and other amenities.

Delta, the official airline of U.S. SPACE CAMP, offers special rates for the entire family for flights to U.S. SPACE CAMP in Huntsville (and to Orlando for SPACE CAMP Florida). Delta does not charge an Unaccompanied Minor Fee. Call Delta toll-free at 1-800-241-6760 (8 am to 8 pm Eastern Time) for reservations.



The Official Airline Of U.S. Space Camp



Budget

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truck rental



Services Desk, toll-free at 1-800-772-3773.

Drive a bargain when visiting U.S. SPACE CAMP — Budget is the official rental car company of the U.S. SPACE CAMP. For a special discount rate, call Budget's Special

GRADUATION: FLORIDA U.S. ASTRONAUT HALL OF FAME

Family members are invited to participate in Florida graduation activities at the conclusion of each session. Specific graduation information is included in your confirmation package. Plan to arrive early for graduation, then enjoy a leisurely tour of the U.S. Astronaut Hall of Fame attraction afterward.

UNITED STATES
ASTRONAUT
HALL OF FAME™



U.S. Astronaut Hall of Fame and NASA-Kennedy Space Center

The U.S. Astronaut Hall of Fame, located at the entrance to the NASA-Kennedy Space Center, tells the very human story of America's manned space flight programs.

In their own words, from recordings of actual missions and original narration, astronauts from the Mercury program to the Space Shuttle program describe the thrills and fears of their journeys into space.

Launching A Trip To The NASA-Kennedy Space Center And SPACE CAMP: Florida

Getting to SPACE CAMP Florida is easy (see map right and transportation information on page 18). Family members attending graduation ceremonies may tour the U.S. Astronaut Hall of Fame at no charge. Not included in the tour, but nearby is NASA's Kennedy Space Center, Spaceport, USA facilities.



Central Florida Attractions: Central Florida is one of the world's most popular vacation destinations. Many popular attractions are close to Space Coast beaches. We suggest that families visiting the Orlando area stay at the Holiday Inn Hotels of Florida (call toll-free 1-800-HOLIDAY).

Holiday Inn®
HOTELS OF FLORIDA

Universal Studios Florida® is Orlando's premier attraction. You'll experience over 40 rides, shows and movie set streets including E.T.®, Earthquake®, King Kong and Back To The Future®...The Ride®—it's the greatest ride of all time! And at Nickelodeon Studios™, you will get a behind-the-scenes tour of how your favorite Nickelodeon shows are made! Universal Studios Florida, where everything that happens in the movies now happens to you!



For more information on Florida's Space Coast, call the Brevard County Tourist Development Council at 1-800-USA-1969.

Delta, the official airline of U.S. SPACE CAMP, offers special rates for the entire family for flights to U.S. SPACE CAMP arriving in Orlando (and to Huntsville for SPACE CAMP Alabama). Delta does not charge an Unaccompanied Minor Fee. Call Delta toll-free at 1-800-241-6760 (8 am to 8 pm Eastern Time) for reservations.

DELTA

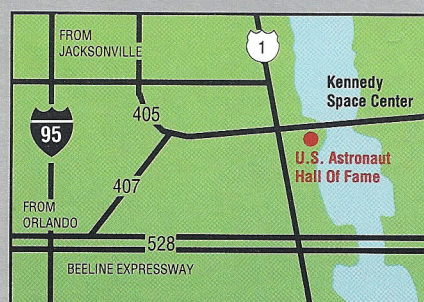
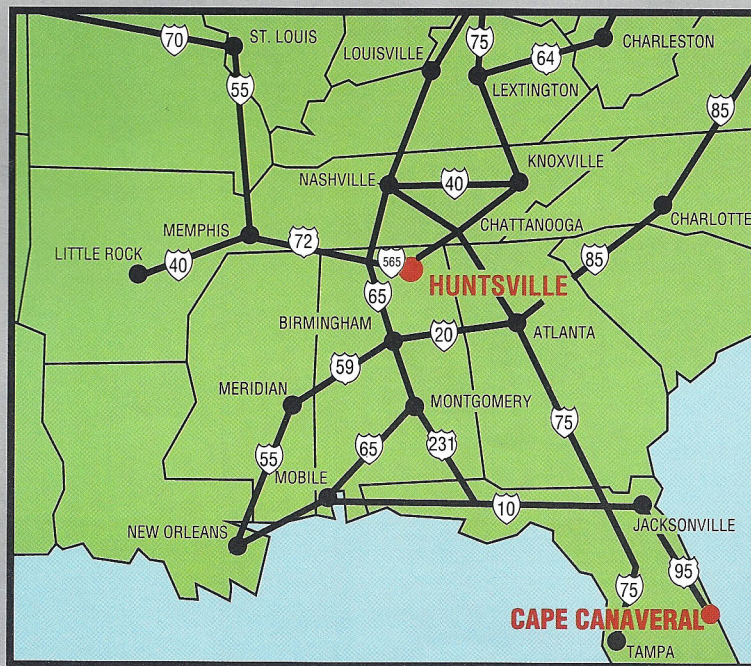
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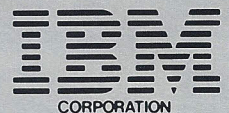
car and
truck rental

CAMP — Budget is the official rental car company of U.S. SPACE CAMP. For a special discount rate, call Budget's Special Services Desk, toll-free at 1-800-772-3773.



The following corporations are partners of U.S. SPACE CAMP, U.S. SPACE ACADEMY and the U.S. Space and Rocket Center. The Center acknowledges the significant support of its educational activities by these and other contributors.

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