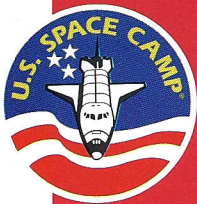




SPACE CAMP[®]

1994 OFFICIAL ALABAMA/FLORIDA APPLICATION GUIDE
SPACE CAMP • SPACE ACADEMY • AVIATION CHALLENGE



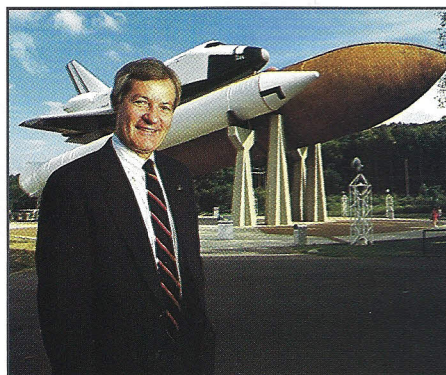
THE FUTURE IS OUR YOUTH

170,000 enthusiastic young Americans have graduated from SPACE CAMP programs.

A Message from the Director:

While our programs seek to instill the importance of math and science achievement, while we strive to make young people understand how their current attitude toward education affects future career decisions, there is more, much more, I hope our programs convey.

When you examine the life of a pioneer like Wernher von Braun, or for that matter, any number of pioneers in any number of fields, one thing soon becomes apparent: a solid education isn't enough. Even being a genius isn't enough. The truly great people of this nation and the world have something even more special. They have a dream, a vision; and they have the guts to try and achieve it.



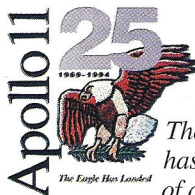
Each student, each teacher, each person who passes our portals possesses the ability to dream. Unfortunately, many outside influences tend to stifle creativity. Repeated messages like, "it can't be done" eventually condemn vision.

At U.S. SPACE CAMP/ACADEMY and AVIATION CHALLENGE we want trainees to experience a full spectrum of sensations as they embrace hands-on education like none other. We want to inspire them and motivate them through fun and diverse activities. We want them

to discover anew their ability to dream. And even more, through teamwork and leadership training, we want them to gain the self-confidence and self-esteem needed to pursue their dreams.

To think more creatively, reason more sharply and understand more clearly — these are goals that will make our children the best they can be. These are the goals set forth at U.S. SPACE CAMP/ACADEMY and AVIATION CHALLENGE. And these are the goals we share with you — parents, educators, business people, industry and government officials, in making certain the U.S. remains a place where people dream and where dreams come true.

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



A Message from America's First Astronaut

The Mercury 7 Foundation has long been in the business of awarding scholarships to deserving college upper classmen who are striving to become part of today's highly technological world. It is in recent years that we have broadened our scope to include fostering math and science educa-

tion for younger students, therefore helping to cement the building blocks of a high technology education.

Armed with the excitement of space exploration, U.S. SPACE CAMP Florida, the facility jointly operated by the U.S. SPACE CAMP Foundation and the Mercury 7 Foundation, takes aim at younger students and professional educators to make its mark in motivating students to excel in academic endeavors. And while the educational impact of the SPACE CAMP program is proven with recent surveys of past trainees, the educational emphasis of SPACE CAMP is cleverly disguised as a fun-filled, action-packed experience which introduces youth to peers from around the country and the world.

If it sounds like I'm excited about SPACE CAMP, well, I am. The potential of our young people is our nation's greatest natural resource. Programs which seek to make our children the best they can be,

programs like U.S. SPACE CAMP, promote the good health of this resource and nurture America's high technology edge.

But, as you know, preserving and promoting our natural resources is everybody's responsibility. If the United States is to remain a driving force in space exploration and other high technology industries, in medicine, education and any number of fields, it is going to take dedication and discipline. Communities, industry and government need to provide teachers and students the resources and opportunities which invite achievement. By working together we can better prepare ourselves and our children for the future.

Admiral Alan Shepard, USN (Ret.)
America's First Astronaut
President, Mercury 7 Foundation



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EDUCATIONAL VALUES

THE MISSION:

To use the excitement of the U.S. Space program and/or military aviation to motivate young people toward greater achievements in math and science studies.

Long before the President issued the National Education Goals, we at U.S. SPACE CAMP, ACADEMY and AVIATION CHALLENGE recognized the benefit of making education a shared responsibility. Working with NASA, the military, industry, and professional educators, we provide students and teachers with motivational math/science programs that (1) expand classroom knowledge, (2) offer an environment that prompts further inquiry, and (3) encourage participants to become all that they may become.

How successful have we been in our aim to motivate students? The effectiveness of our teaching methodologies is revealed by a recent survey of 4,000 CAMP and ACADEMY alumni who attended during the 1982-1986 time frame:

- 80% enrolled in more math, specifically algebra and calculus.

- 75% of trainees polled indicated they learned about career options; 49% made a career decision based on their CAMP experience.

- 41% reported that their experience at SPACE CAMP was a key element in their choice of curriculum—87% chose engineering, math or science as their course of study.

- 87% took more science courses, primarily in aerospace and engineering.

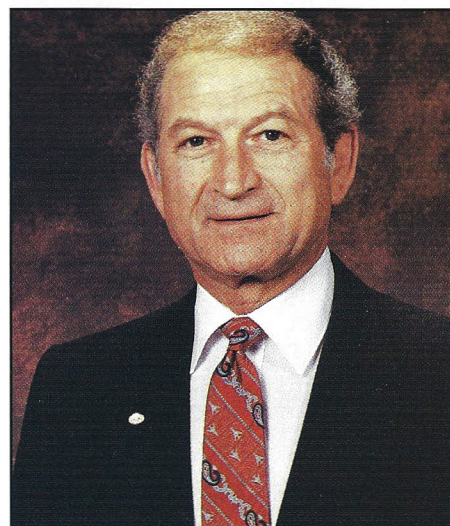


"...As Florida's public school system endeavors to stimulate greater involvement among all students in mathematics and the sciences, I am pleased to endorse this program (SPACE CAMP)." —Betty Castor, Commissioner of Education, Florida Department of Education

With such results, it isn't surprising that many states recognize the educational integrity of SPACE CAMP, ACADEMY and AVIATION CHALLENGE. The State of Alabama passed a resolution in 1986 endorsing U.S. SPACE CAMP and ACADEMY as "academically sound experiences for school students." Most school systems throughout the nation are following suit and allow excused absences to trainees. Notably, all programs are being correlated to national math and science standards.



"SPACE CAMP has the kind of excitement we need. It doesn't come from a text book. Teachers should know the best way to teach is hands-on." — Sue Ellen Cain, 1992 Georgia State Teacher of the Year



"Rockwell International is proud to be a major sponsor of programs like U.S. SPACE CAMP because we realize the importance of motivational math and science programs. The success of our country, our economic system and the success of corporations like ours depends upon that quality of education." — Sam Iacobellis, Rockwell International





A survey of alumni attending *Discovering Space: The Classroom Connection* finds that 94% of respondents rated their experience as excellent to superior. Furthermore, 70% were inspired to seek additional educational programs in math and science. Clearly, U.S. SPACE ACADEMY for Educators fills an important niche in preparing teachers as dynamic instructors.

Another important partner in supplementing classroom education is the NASA Teacher Resource Center Network. With locations at the U.S. Space & Rocket Center and NASA's Kennedy Space Center, its aim is to ensure equitable access for all educators to high quality aerospace related resources. Visiting educators may bring blank video cassettes, 5 1/4" computer diskettes and slide film for making duplications (free of charge) during scheduled appointment times. Publications are also available at no charge.

SPACE CAMP is an outstanding opportunity...an experience that gives young people an excellent idea of what it's like to be a part of NASA and what astronaut training is all about. The experience that SPACE CAMP gives is about as close as you can come to flying in the space shuttle without actually being in the astronaut program.— Dr. Sally K. Ride, Professor of Physics, University of California and former astronaut.

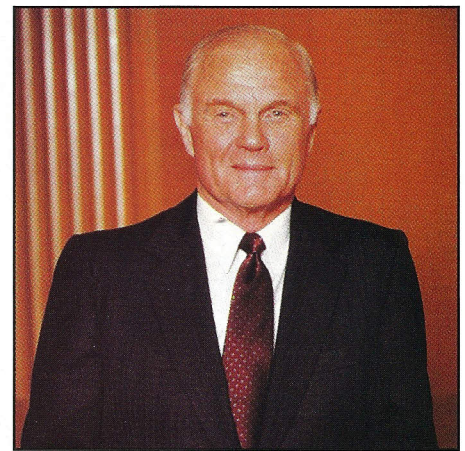
Since today's students are tomorrow's work force, the educational integrity of CAMP, ACADEMY and AVIATION CHALLENGE has the approval of many leading corporations, particularly aerospace related companies. Such approval has warranted respect for our educational organization.

"Whatever you dream, you can achieve. SPACE CAMP is a place to give your dreams wings. No other educational institution that I know of can inspire youngsters to create and achieve higher goals than SPACE CAMP."— Nichelle Nichols, "Lieutenant Uhura" of *Star Trek*

Motivating students is only part of our mission. Instilling knowledge and a renewed enthusiasm for teaching is also our aim. U.S. SPACE ACADEMY for Educators provides instruction and resources to keep teachers abreast of developing space technology and to help teachers identify and create new means of math and science instruction. Teachers from across the U.S. and more than 30 countries have participated in our special educator's academy to elevate learning enthusiasm in their home classrooms.



In order to provide viable programs in an increasingly demanding education arena, U.S. SPACE CAMP, ACADEMY and AVIATION CHALLENGE education staff have developed the following mission statement: *"The mission of the Education Division is to provide sound program structure and curriculum materials which enhance and extend the science and math education trainees normally receive in school,"* says Dr. Tommie Blackwell, Director of Education. *"The unique educational activities and lessons making up the central core of U.S. SPACE CAMP/ ACADEMY and AVIATION CHALLENGE are designed to excite and motivate trainees toward greater academic achievement."*



"We don't have enough people studying math and the sciences, the hard sciences, the physical sciences. I think this (SPACE CAMP) is a great way of encouraging young people to do just that, exactly... What you're doing with the young people and the training at SPACE CAMP is what's going to keep us in the forefront."— U.S. Senator and former Astronaut John Glenn in speech to U.S. SPACE CAMP trainees, May 1992.

We know a small percentage of our graduates may well be the space flyers of tomorrow. *"But we also know,"* says Director Edward O. Buckbee, *"that if students are given the proper motivation and learn why they must have science and math, they can use that foundation and let it take them into a field of their choice."* And that is what SPACE CAMP is all about.



SPACE CAMP®: Alabama

5

DAY MISSION:

Alabama Campus

Grades 4 thru 6

(*Note - Students must be attending classes in 4th grade by session date.)

Eyes front, ears open and hands-on is the most fun way to learn. As a SPACE CAMP trainee you are challenged to assume a role you may one day possess in the realm of



high technology. A strategically planned curriculum combines simulated astronaut training and interactive lessons with classroom instruction. Leadership and teamwork take on new importance as you prepare for the ultimate test — two simu-

lated space shuttle missions which place you in the orbiter's crew compartment and at mission control.

"I can't say enough about the kind of hands-on educational experiences SPACE CAMP has to offer. CAMP generated a level of learning enthusiasm in my son that is pure inspiration to me and others in my industry.... it makes me excited about the future." —

Marc Constantine, Vice President & General Manager, Aerojet Teck Systems, Gen Corp Aerojet

The Basics

The basics come first, so learn the history and principles of propulsion and guidance. Study the trek from "monkeynaught" Baker, to the first manned flights of Project Mercury, to shuttle launches. Your knowledge and skill will help you safely build and launch your own model rocket.

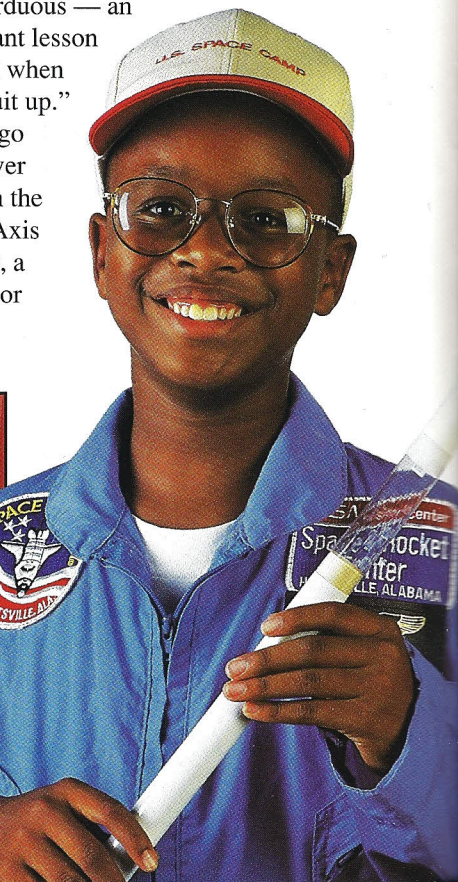
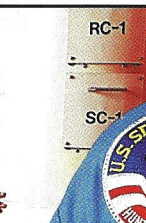
Historic achievements of manned space flight are highlighted with tours of the U.S. Space & Rocket Center and NASA's Marshall Space Flight Center.

Astronaut and Mission Training

So, how do you become an astronaut? Learn what it takes to earn a place in the astronaut corp. Experience the physical and academic rigors of astronaut training. Physical fitness is important to everyone — and especially to astro-

nauts. So, your day begins with calisthenics. Then, go ahead, grab your swimsuit and take the plunge to experience simulated microgravity as your team builds a "space structure" under water. And clean is the name of the game, or rather "clean room" as you and your team, clad in white lab coats and gloves, construct a satellite in a simulated sterile environment. Even seemingly ordinary functions, like eating lunch, take on new interest as you sample "space food" similar to the meals prepared for astronauts during orbital and lunar missions.

Back on the Training Center floor, control the MMU (Manned Maneuvering Unit), which allows shuttle astronauts to perform work untethered in and around the orbiter's cargo bay. Strapped in the 5 Degrees of Freedom (5DF) simulator, you'll gain a new understanding of the difficulty in conducting EVA's (Extra-Vehicular Activities) in space. Wearing astronaut-style clothing makes work even more arduous — an important lesson learned when you "suit up." You'll go head over heels in the Multi-Axis Trainer, a simulator



patterned after earlier astronaut trainers which conditioned astronauts for possible disorientation due to tumbling in a flight emergency. Other simulation exercises include the 1/6th Gravity Chair, Centrifuge, Maneuvering Pod, Trajectory Chair and Space Walker.

Throughout the week, you will become increasingly familiar with our nation's current Space Transportation System (STS) in preparation for your simulated shuttle missions. "The Dream is Alive," shown in the U.S. Space & Rocket Center's Spacedome Theater, makes you feel like you're in space and part of the NASA team as it portrays astronauts in actual STS missions. Other films, including "To Fly," and "Blue Planet" also broaden your outlook. Armed with this insight, your team of twelve trainees is divided into shuttle crew and mission control. The countdown begins to a long-anticipated event. Commander, pilot, mission specialists and payload specialists — the shuttle crew keeps tight contact with the "professionals" at mission control from launch to landing. Teamwork and training are put to the test as you try to achieve mission goals and bring the crew in safely. Two missions provide role swapping opportunities from crew to mission control.

Space Technology and the Future

You could be the first person to step foot on Martian soil. Fueled by the realization that the first manned mission to Mars could be as early as 2019, you will experience simulated flights between Earth and Space Station, Space Station and Mars. You and your team will board

the motion-based Mars Acclimated Research Ship (MARS) for your multi-sensory fly-by. Briefings and hands-on mission scenarios teach you about the Martian landscape, atmosphere and other aspects of the Red Planet.

America's space station is an integral part of extended space flight (such as the mission to Mars). An overview of space station goals will assist you and your teammates in fulfilling the assignment of designing and building a space station.

The benefits of future missions and extended space flight will be explored with an eye on industry, agriculture and the environment. The *Journey to Jupiter* deep space flight adventure will catapult you into a futuristic mindset as it blends sight, sound and motion into "reality." A pre-flight briefing, complete with necessary "medical procedures," readies trainees for deep space flight.

Tuition includes meals, educational programs, log book and materials, accommodations, T-shirt and hat.

Arrival time is Sunday, between 1:00 p.m. and 3:00 p.m. Family and friends who wish to attend the 11:00 a.m. graduation ceremony on Friday should report to



the SPACE CAMP Habitat for directions to the ceremony's location.

Each graduating trainee receives U.S. SPACE CAMP wings, a certificate and a color group photograph. Special team and individual awards are also presented.

Departing flights should be scheduled after 1:00 p.m. on Friday.



5

SPACE CAMP®: Florida

DAY MISSION:

Florida Campus

Grades 4 thru 7

Teamed with America's original astronauts (represented as the Mercury 7 Foundation), U.S. SPACE CAMP Florida offers an alternate program for the younger set. Located at the entrance to NASA's launch complex, the U.S. SPACE CAMP curriculum benefits from Kennedy Space Center's high technology community.

Now boarding! You and your teammates will climb into the *Shuttle to Tomorrow* which features a multi-media space shuttle flight experience in its cargo bay. Be sure to take notes as you prepare for your one-hour space shuttle mission in the full-scale shuttle simulator! (Photo below right)



The Basics

Learn the history and principles of propulsion and guidance and put your knowledge to good use when you construct and launch your own model rocket. Historic achievements of manned space flight will be highlighted with tours of the U.S. Astronaut Hall of Fame and NASA's Kennedy Space Center.

Astronaut and Mission Training

This is your chance to find out what it takes to be an astronaut — the academics, the emotion and the physical rigors.

After you work up an appetite with your morning exercise, you'll be given an opportunity to dig into an ice cream treat similar to the dessert prepared for astronauts during orbital and lunar missions. Food digested? Grab your swim gear and take activities poolside where you'll experience simulated microgravity as your team accepts the challenge of the tetrahedron assembly using principles required to construct future space stations.

New for 1994, the Zero "G" Wall gives would-be mission specialists another opportunity to work in a neutrally buoyant state, while this time staying high and dry.

"Even though I am not entering a field that directly pertains to astronautics, SPACE CAMP was very important to me. It's a lot of work, but when you leave there is a feeling of accomplishment and you know you have learned something." — Timothy M. Pothast, Lima, OH

SPACE CAMPER'S view
an actual Shuttle launch





astronaut trainers which conditioned astronauts for possible disorientation due to tumbling in a flight emergency. Other simulation exercises include the 1/6th Gravity Chair, 5 Degrees of Freedom (5DF) simulator and the Trajectory Chair.

Space Technology and the Future

Explore living and working in space with simulated space station training featuring the Manned Maneuvering Unit (MMU) and Space Station Mobility Trainer. Plus, with your teammates, you will fulfill the assignment of designing and building a space station model.

The benefits of future missions and extended space flight will be explored with an eye on industry, agriculture and the environment. Practical uses for space program innovations will be discussed.

Tuition includes meals, educational programs, log book and materials, accommodations, T-shirt and visor.

Arrival time is Sunday, between 1:00 p.m. and 4:00 p.m. Family and friends are

Throughout the

Step by step, you'll build an ACCESS (Assembly Concept for Constructing an Erectable Space Structure) tower for space station. Later, wearing white lab coats and gloves, you can "clean up your act" as you and your team construct a satellite in a simulated clean room (sterile) environment.

Also new for 1994 at the Brevard Community College Planetarium and Observatory is the addition of a 70 ft. planetarium theatre with a Digistar® projector and the only Minolta Infinium star projector in the western hemisphere. Also, at Spaceport USA, you will see IMAX films including "The Dream Is Alive" and "Blue Planet."

Space suit and helmet try-on gives a better understanding of the difficulties of working in space. Up and over, head over heels is the direction you'll take in the Multi-Axis Trainer.

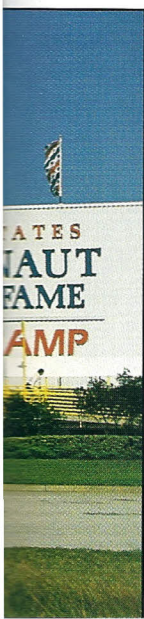
This simulator is patterned after the earlier

week, you will become increasingly familiar with our nation's current Space Transportation System(STS), in preparation for your simulated shuttle mission. Finally, you and your team of twelve trainees are divided into orbiter and mission control crews. The countdown begins as you climb into the full scale Space Shuttle mock-up. Commander, pilot, mission specialists and payload specialists — the orbiter crew keeps tight contact with the professionals at mission control from launch to landing. Teamwork and training are put to the test as you try to achieve mission goals and bring the crew in safely.



invited to attend graduation ceremonies held at 9:00 a.m. on Friday. Each graduating trainee receives U.S. SPACE CAMP wings, a certificate and a color group photograph. Special team and individual awards are also presented.

Departing flights should be scheduled after 1:00 p.m. on Friday.



SPACE ACADEMY®: Level I

5

DAY MISSION:

Alabama Campus

Grades 7 thru 9

U.S. SPACE ACADEMY Level I gives trainees specialized learning opportunities not available in SPACE CAMP. You'll have extra emphasis on space shuttle operations and mission training. But this latest program enhancement also divides your twenty member group into two, 10-person teams to explore technology and environmental applications. A shuttle mission will bring your teams together for a united cause that will challenge you to increase critical thinking and decision-making skills beyond your younger CAMP colleagues.

"When I say 'I've been to SPACE CAMP,' that's an accomplishment and I'm proud of it. First, that I lasted the week, and then that I came back again and again." — Arel Solie, Olympia, WA

The Basics

A historical overview of manned space-flight, complemented by tours of the U.S. Space & Rocket Center and NASA's Marshall Space Flight Center, will lay the groundwork for a more in-depth look at the backbone of the Space Transportation System (STS). A thorough review of shuttle propulsion systems including the External Tank, Solid Rocket Boosters, Main and Auxiliary Engines is enhanced by the Space Center's resident propulsion experts including Konrad Dannenberg

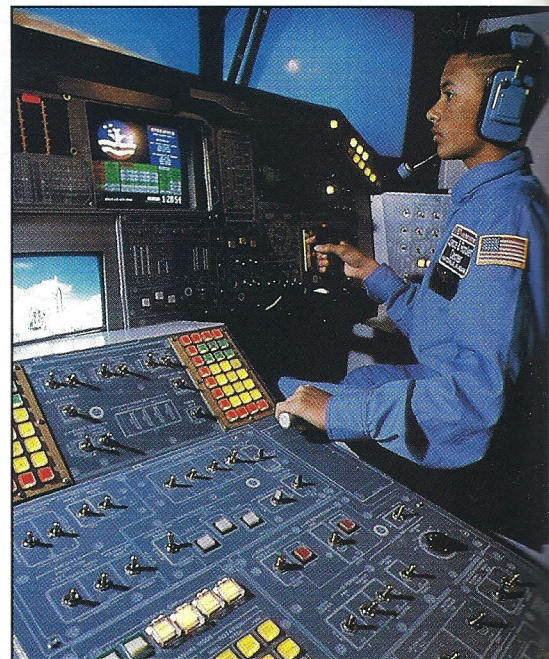
and Georg von Tiesenhausen, members of Wernher von Braun's rocket scientist team. Topics such as Orbiter Systems,



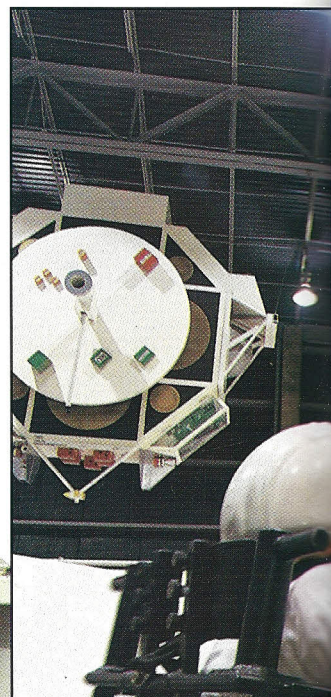
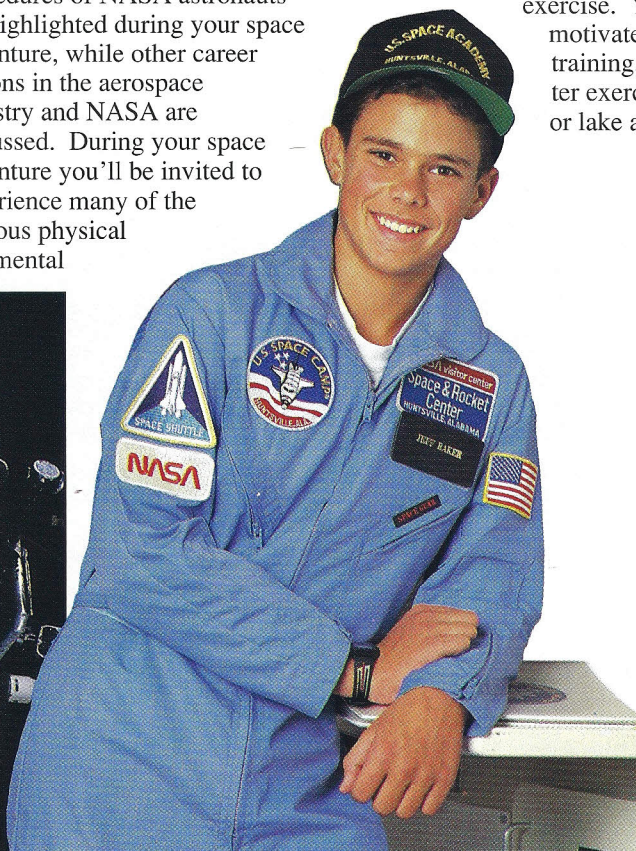
Crew Systems, and Space Suits enlighten you. Putting knowledge to the test, construction and launch of model rockets provides friendly competition. Plus, some trainees take on such subject matters as robotics, lasers and optics, while others investigate remote sensing, atmospheric and life sciences as they relate to the environment.

Astronaut and Mission Training

The requirements and selection procedures of NASA astronauts are highlighted during your space adventure, while other career options in the aerospace industry and NASA are discussed. During your space adventure you'll be invited to experience many of the arduous physical and mental



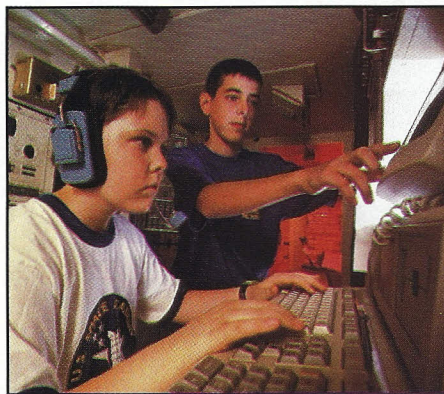
training exercises experienced by NASA's astronaut corp. Not every aspect of the space program is automated: physical fitness means old fashioned physical training, so energize and look alive with early morning exercise. You'll "gravitate and motivate" with microgravity training, including underwater exercises at a nearby pool or lake and use of many of



the simulators, like the 1/6th Gravity Chair and the 5DF (Degrees of Freedom) trainer found on the U.S. SPACE ACADEMY Training Center floor. The Zero "G" Wall may provide yet another chance to assume the role of a mission specialist working in a simulated weightless environment. EVA (Extra-Vehicular Activity) task boards — satellite capture and repair, truss structure EVA and other activities are possible assignments. Other simulators utilized in this program include the Multi-Axis, Manned Maneuvering Unit, Space Station Mobility Trainer and Maneuvering Pod.

Seemingly routine functions, like eating lunch, take on new interest as you and your teammates sample an astronaut meal. Constructing a satellite — classified as Earth observation, communications or science — in a simulated "clean room" environment is another challenging team exercise. Your training will be enhanced by watching actual astronaut missions captured on film by the astronauts themselves and shown in the U.S. Space & Rocket Center's Spacedome Theater. Spacedome features include: "The Dream Is Alive," "Blue Planet," and "To Fly."

Having received your mission assignments of either shuttle crew or mission control, familiarization with the highly accurate space shuttle cockpit simulator, full-size Spacelab, and/or mission control center takes on new energy. Preparation intensifies for the two upcoming missions and then — the moment arrives. Adrenaline levels soar as the countdown begins. We have liftoff! The commander and pilot achieve orbit, and payload specialists and space station specialists conduct



experiments inside Spacelab while mission specialists perform EVA's outside the orbiter's crew cabin. After docking with the space station, the shuttle crew returns to Earth and you exchange team assignments. Just remember, it takes teamwork to overcome the occasional "problem" which pops up along the way.

Space Technology and the Future

Discuss your views of future space missions and upcoming technology. Interactive lessons on the Space Station, Delta Clipper and Mission to Mars are certain to gain interest and elicit questions. The *Journey to Jupiter* deep space flight adventure will catapult you into a futuristic mindset as it blends sight, sound and motion into

"reality." A pre-flight briefing, complete with necessary "medical procedures," readies trainees for deep space flight.

Tuition includes meals, educational programs and materials, accommodations and T-shirt.

Arrival time is Sunday, between 1 p.m. and 3:00 p.m. Family and friends who wish to attend the 11:00 a.m. graduation ceremony on Friday should report to the U.S. Space & Rocket Center's main lobby for ceremony location.

Each graduating trainee receives U.S. SPACE ACADEMY wings, a certificate and a color group photograph. Special team and individual awards are also presented.

Departing flights should be scheduled after 1:00 p.m. on Friday.



8

DAY MISSION:

Alabama Campus

Grades 10 thru 12

U.S. SPACE ACADEMY II carefully mixes classroom study and hands-on training. The core curriculum provides a broad-based context from which students may question, explore and discover. Three separate tracks of study: Space Science, Engineering and Aerospace, allow students to request specific orientation and receive invaluable insight to career aspirations.

All participants who successfully complete the program will receive one credit hour of college freshman level science from the University of Alabama in Huntsville. Transcripts will be mailed approximately six weeks after session completion. Cost of college credit is included in your ACADEMY II tuition.

Patterned after NASA's crew training manuals, your curriculum is supported by participating aerospace professionals from both NASA and industry. More than 90 hours of instruction means a lot of 14-hour days and immersion in topics such as shuttle orientation, plasma physics, crew

systems, orbiter systems, space physiology, international space missions, the future of space exploration and aerospace careers. And even though you follow track-specific instruction, all team members work together in integrated group sessions for space shuttle mission planning.

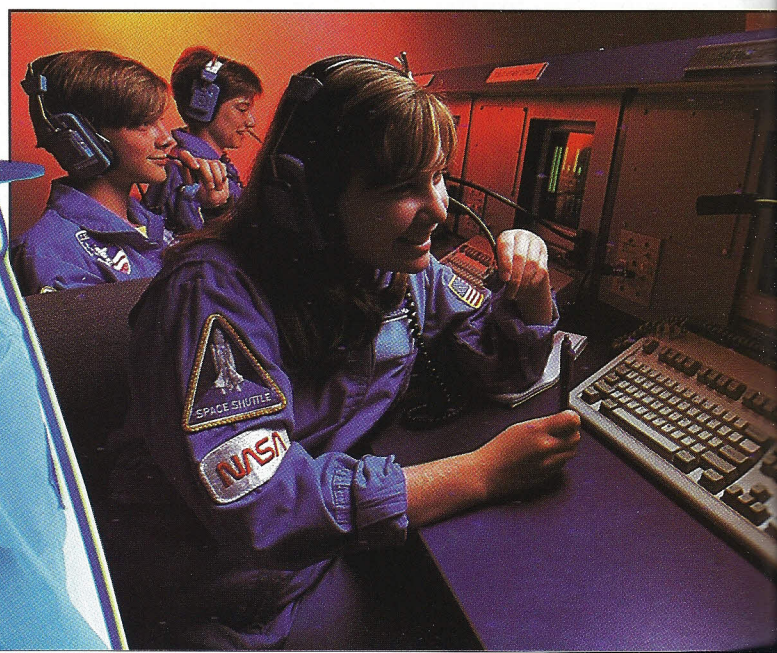
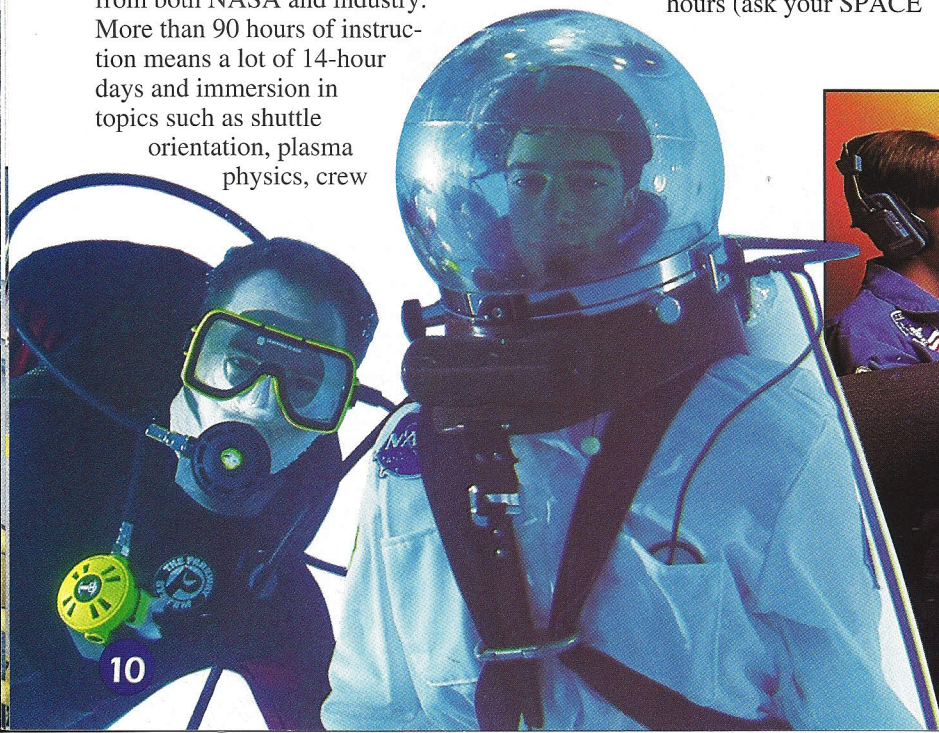


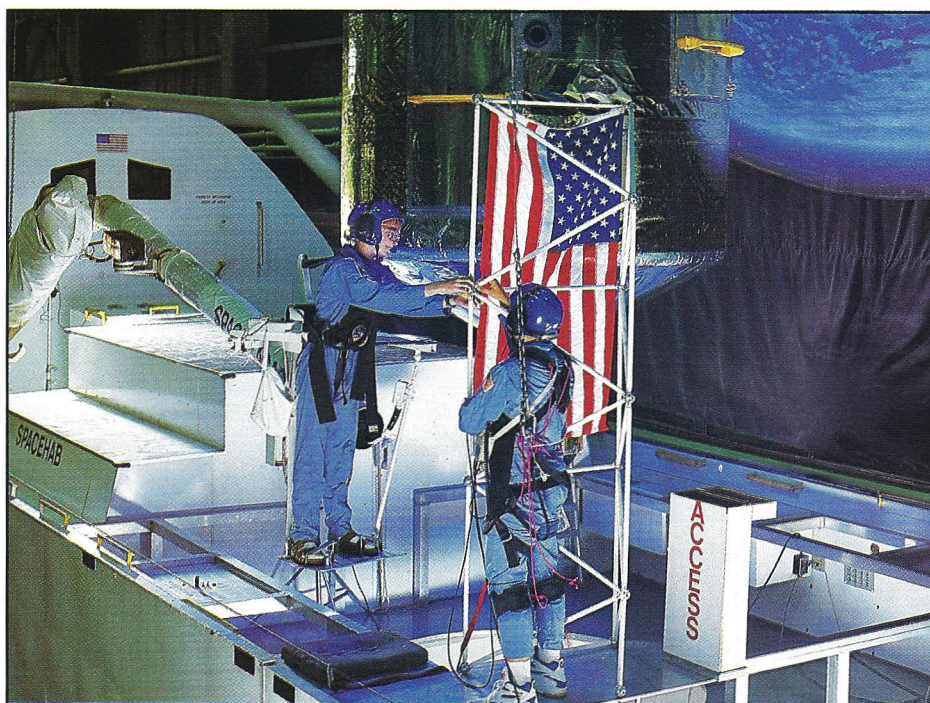
You and your team will conduct three 2-hour missions, rotating roles in mission control, the shuttle orbiter and space station. Critical thinking and decision making skills are put to the test as you prepare for your **Extended Duration Mission (EDM)**, lasting either 12 or 24 hours (ask your SPACE

ACADEMY reservationist about sessions featuring a 24 hour mission).

Space Science Track (Technology) - As an aspiring payload specialist, you will conduct experiments aboard the space shuttle and space station simulators. Experiments include gene-mapping, human physiology testing and soil and water analysis and many others. The Underwater Astronaut Trainer (UAT) will become a familiar landmark as you dive into SCUBA training in preparation for conducting experiments in the "microgravity" of space station. Track specific instruction includes astrophysics, materials processing and emergency medical procedures. Mission control positions include Public Affairs Officer or Mission Scientist.

Engineering Track - This track is designed to provide hands-on mission training aboard the space shuttle Conducting EVA's (Extra Vehicular Activities). You'll take part in an entry-level SCUBA training program. This microgravity environment is an ideal setting to practice mission EVA's (Extra-Vehicular Activities). The Zero "G" Wall also provides the sensation of neutral buoyancy, as well as a number of tasks including satellite capture and repair, truss structure EVA and solar array deployment EVA. Mission specialists will traverse space with the aid of a new Manned Maneuvering Unit simulator





in 1994. Moving along rails attached at the wall and ceiling, trainees can move forward and backward, up and down. The MMU itself can rotate 180 degrees in either direction. Academic instruction includes robotics, engineering fields and optics. Mission control positions include Propulsions Officer or Communications Officer.

Aerospace Track - Placed in this course of study, you will focus upon educational requirements necessary for a career as aerospace engineer, shuttle commander, shuttle pilot or aviation professional.

Hands-on training includes exercises in space shuttle piloting and Mission Operations Control Room scenarios. Flight simulations training will take you to the Aviation Challenge complex where you will strive to quicken your reflexes and decision-making ability. Aerospace trainees will also use one of the latest simulators at the AVIATION CHALLENGE training area. The two-man, enclosed cabin of the rotating centrifuge

exposes you to the G-forces associated with high performance flight while it teaches methods to increase body mobility and dexterity. Lectures and coursework include celestial navigation, orbital mechanics and space piloting. Space station roles include Space Station Commander or Space Station Officer. Mission control positions include Flight Director or CAPCOM.

Planned for '94 - Pilot a real airplane in this new addition planned for '94. Offered in cooperation with the University of North Dakota, this program is on a limited basis; please call 1-800-63 SPACE for more information.

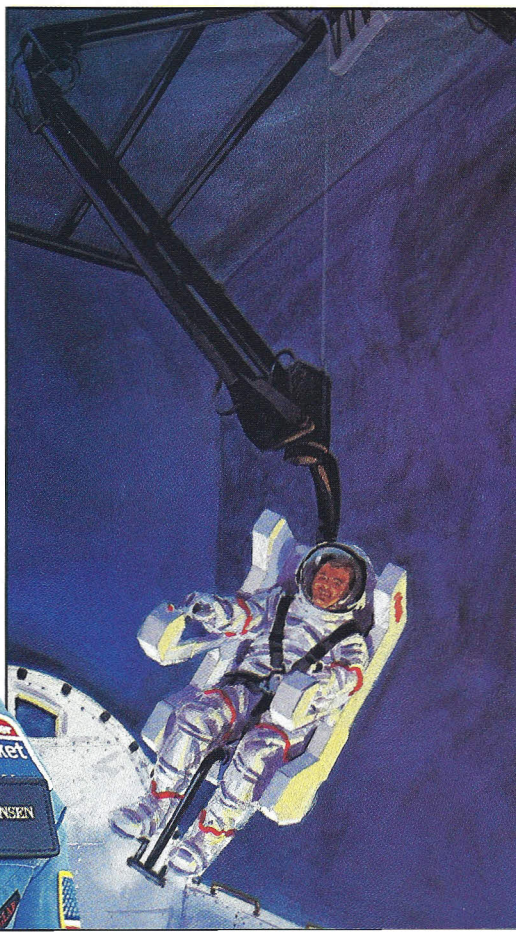
Tuition includes meals, educational programs and materials, accommodations and T-shirt.

Arrival time is Saturday, between 1:00 p.m. and 4:00 p.m. Family and friends who wish to attend the 1:00 p.m. graduation ceremony on Saturday should report to the U.S. Space & Rocket Center's main lobby for ceremony location.

Each graduating trainee receives U.S. SPACE ACADEMY wings, a certificate and a color group photograph. Special team and individual awards are also presented.

Departing flights should be scheduled after 3:30 p.m. on Saturday.

PLEASE NOTE: Tracks are assigned on a first come basis. Each applicant will receive approval forms for SCUBA instruction to be signed by a physician and parent/guardian. Completed SCUBA forms (for Engineering and Technology trainees) must be returned to SPACE ACADEMY at least six weeks prior to session date and no earlier than three months prior to session date. Physical requirements are noted on form. Trainees with any history of asthma, ear problems or seizures will not be permitted to SCUBA dive.



5

DAY MISSION:

AVIATION CHALLENGE®

Want to break the boundaries? Push the envelope? Can your reflexes fly as quickly as your mind and can both match speed with your soaring spirit? Want to find out? If your answer is, "Yes!" then AVIATION CHALLENGE is unquestionably the program for you.

AVIATION CHALLENGE introduces you to the total experience of military jet pilot training. You'll learn the fundamentals of

combine with other program components to build teamwork and leadership skills, and instill increased self-confidence.

Films such as "To Fly," "The Dream Is Alive," and "Blue Planet" — shown in the U.S. Space & Rocket Center's Spacedome Theater — exercise thought and creativity to round out the AVIATION CHALLENGE.

Basic

Grades 7 thru 9

Flight Training

Assigned positions of pilot and "RIO," you and a partner will learn what teamwork is all about as you engage in eight hours of jet pilot training throughout your week. Only one team of two will be able to walk away as you vie for top honors in air-to-air combat. Daily, you'll prepare a flight plan, review your weather report, conduct a mission prebrief, fly your mission and return to the "ready room" for mission debrief. Studies in

aerodynamics are given a boost with radio controlled aircraft exercises. The U.S. Navy Fighter Weapons School is explored in detail. Military and civilian aviation careers, as well as space related careers, are discussed.

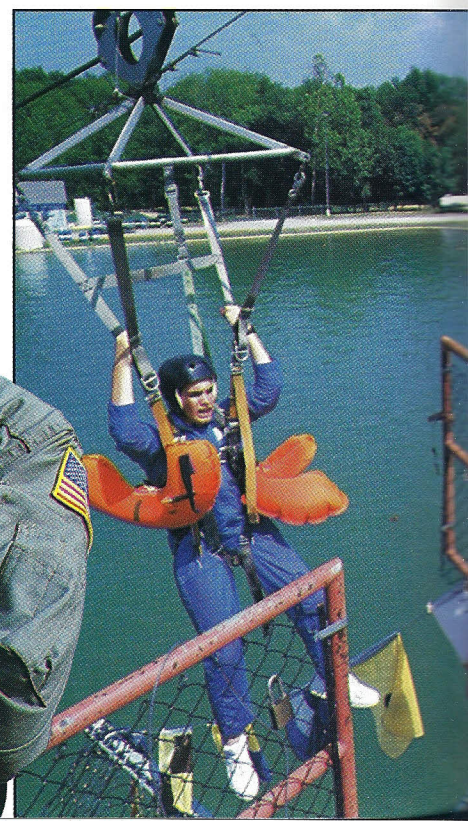
flying, then progress through increasingly sophisticated simulator missions, including aerobatics, aircraft carrier take-offs and landings, instrument navigation, low altitude work and air combat maneuvering (woof! that's a dogfight). Ground and sky will become alternating backdrops as you "push the edge of the envelope." Developed by experienced, military aviators, AVIATION CHALLENGE teaches flight theory and procedures during aerodynamics, flight systems, propulsion, high performance maneuvering and more. Fitness, emergency and survival training promise to exercise body and mind as they



Tuition includes meals, educational programs and materials, accommodations and T-shirt. Each graduating trainee receives AVIATION CHALLENGE wings, a certificate and a color group photograph. Team and individual awards are also presented.

Water Survival

This is pool time at summer camp like you've never experienced before! Located at the AVIATION CHALLENGE lake, you'll learn the ins and outs (literally) of the Helo Dunker simulation, including "air-lift" with the helicopter hoist. Life raft training requires balance and timing, and survival at



HOW TO REGISTER

Tuition includes meals, accommodations and educational materials

Registration Procedures

There are three ways to register for any of our exciting adventures.

1 Telephone: To reserve a specific SPACE CAMP, ACADEMY or AVIATION CHALLENGE session by telephone, call our toll-free number: **1-800-63 SPACE.**

Have your Visa, MasterCard, Discover or American Express card ready for the reservationist. Accounts will be billed at the time of reservation. **Application forms should be completed and mailed in addition to your phone reservation.**

2 FAX: Another method of registration is to complete the application form and send it with credit card information via FAX transmission to 205-837-6137. Please follow-up with a phone call to 1-800-63 SPACE to verify FAX receipt.

3 Mail: You may also register by mailing a completed application, noting choice of session dates (subject to availability) to:
U.S. SPACE CAMP
1994 Reservations
P.O. Box 070015
Huntsville, AL 35807-7015

*Applications for Florida sessions should also be sent to the Alabama address.

A printed Confirmation Notice with additional information will be sent after your application is received and processed. Both a Transportation Form (even if traveling by car) and Health Form must be completed, mailed and received by our offices prior to the session date. Acceptance to programs depends upon receipt and approval of these forms.

Save \$50 with a SPACE CAMP Friend

Two or more U.S. SPACE CAMP trainees (grades 4, 5 or 6) who plan to attend prior to May 29, 1994, may take advantage of the \$50 buddy discount if registering for the same session. Call for more details. (Not applicable to Easter week.)

Multiple Family Member Discount

When more than one child from the same family with the same address (i.e.: brothers and sisters) attends any program during the same session week, the first child will be at full tuition, each additional child will receive a 10% discount.

1994 TUITION

Youth	Grade	Days	Feb.-May***	June-Aug.	Sept.-Dec
U.S. SPACE CAMP-Alabama	4-6	5	\$475	\$600	\$475
U.S. SPACE CAMP-Florida	4-7	5	\$475	\$600	\$475
U.S. SPACE ACADEMY Level I	7-9	5	\$525	\$650	\$525
SPACE ACADEMY Level II	10-12	8	\$725	\$725	\$725
AVIATION CHALLENGE (Both)	7-12	5	\$525	\$650	\$525
Adult					
Adult SPACE ACADEMY LEVEL I		3	\$500	\$500	\$500
Adult SPACE ACADEMY LEVEL II		8	—	—	\$725
Adult AV. CHALLENGE		3	\$500	\$500	\$500
SPACE ACADEMY FOR EDUCATORS*		5	\$650	\$650	\$650
EDUCATORS CREDIT COURSES**		5	\$750	\$750	\$750
PARENT & CHILD SPACE CAMP**		3	†\$250	†\$250	†\$250

*Denotes Alabama location only. **Denotes programs in Alabama and Florida. ***Easter tuitions from March 27-April 8 are the same as June-August session. Session 22, May 29-June 3 tuition is the same as June-August. Tuitions are subject to change without notice. †\$500 total tuition based on one parent and one child attending together.

Multiple Attendance Discounts

If you have attended three sessions of SPACE CAMP, ACADEMY or AVIATION CHALLENGE, you will receive 10% off your tuition when attending your fourth through seventh session. Registration for your eighth (or more) session qualifies you for a 25% discount.

Consecutive Week Discounts

When a child is registered to attend programs in consecutive weeks, a discount of 10% will be offered on the second week. Please note: Weeks must be taken consecutively.

Only one discount may be taken at a time.

Refunds

If you must cancel your registration, you will receive:

- 90% of the tuition if a written notice is received 8 weeks or more prior to the session start.
- 75% of the tuition if a written notice is received 4 weeks or more prior to the session start.

Cancellations four weeks or less before session start forfeit the tuition. Upon physician's verification of illness or accident, you may reschedule sessions canceled four weeks or less before session start. 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 program director approval). Trainees who leave for other reasons (homesickness, etc.) will not receive a refund.

Counselor In Training Program

If you're a college freshman and interested in becoming a SPACE CAMP counselor, call for information on our Counselor In Training Program. You'll spend four weeks as a counselor assistant, helping you learn more about the space program and astronaut training activities with the potential of becoming a SPACE CAMP counselor. Special tuitions and curriculum are available.

Transfer Request

All transfer requests must be received two weeks prior to your scheduled session. Any transfer request received less than two weeks prior to your session will not be accepted.

Gift Certificates

Gift certificates are available for all programs. In fact, they make excellent Christmas gifts. Please allow 4-6 weeks to process your gift certificate request.

Date Change Fee

A \$50 transfer fee will be assessed if you transfer from one year to another. Any applicable tuition increases will also be charged. (Rates are subject to change. We reserve the right to cancel or change dates.)

Waiting Lists

If your desired session is filled, you can be placed on a waiting list. Waiting list reservations are refunded at 100 percent if you choose to cancel or if no openings are available. In the event the waiting list clears for your chosen session, you will be notified with a confirmation letter.

1994 SESSION DATES

Call 1-800-63-SPACE to reserve your mission date

GRADES 4,5,6

U.S. SPACE CAMP (Alabama)

Nov. 7 - 12, 1993	June 19 - 24, 1994
Nov. 14 - 19, 1993	June 26 - July 1, 1994
Nov. 28 - Dec. 3, 1993	July 3 - 8, 1994
Dec. 12 - 17, 1993	July 10 - 15, 1994
Dec. 26 - 31, 1993	July 17 - 22, 1994
Feb. 20 - 25, 1994	July 24 - 29, 1994
Feb. 27 - Mar. 4, 1994	July 31 - Aug. 5, 1994
March 6 - 11, 1994	Aug. 7 - 12, 1994
March 13 - 18, 1994	Aug. 14 - 19, 1994
March 20 - 25, 1994	Aug. 21 - 26, 1994
March 27 - April 1, 1994	Aug. 28 - Sept. 2, 94
April 3 - 8, 1994	Sept. 4 - 9, 1994
April 10 - 15, 1994	Sept. 11 - 16, 1994
April 17 - 22, 1994	Sept. 25 - 30, 1994
April 24 - 29, 1994	Oct. 9 - 14, 1994
May 1 - 6, 1994	Oct. 23 - 28, 1994
May 8 - 13, 1994	Nov. 6 - 11, 1994
May 15 - 20, 1994	Nov. 27 - Dec. 2, 1994
May 22 - 27, 1994	Dec. 11 - 16, 1994
May 29 - June 3, 1994	Dec. 27 - Jan. 1, 1995
June 5 - 10, 1994	(*Tue - Sun)
June 12 - 17, 1994	

GRADES 4,5,6,7

U.S. SPACE CAMP (Florida)

Feb. 20 - 25, 1994	July 17 - 22, 1994
Feb. 27 - March 4, 1994	July 24 - 29, 1994
March 6 - 11, 1994	July 31 - Aug. 5, 1994
March 13 - 18, 1994	Aug. 7 - 12, 1994
March 20 - 25, 1994	Aug. 14 - 19, 1994
March 27 - April 1, 1994	Aug. 21 - 26, 1994
April 3 - 8, 1994	Aug. 28 - Sept. 2, 1994
April 10 - 15, 1994	Sept. 4 - 9, 1994
April 17 - 22, 1994	Sept. 11 - 16, 1994
April 24 - 29, 1994	Sept. 18 - 23, 1994
May 1 - 6, 1994	Sept. 25 - 30, 1994
May 8 - 13, 1994	Oct. 2 - 7, 1994
May 15 - 20, 1994	Oct. 9 - 14, 1994
May 22 - 27, 1994	Oct. 16 - 21, 1994
May 29 - June 3, 1994	Oct. 23 - 28, 1994
June 5 - 10, 1994	Oct. 30 - Nov. 4, 1994
June 12 - 17, 1994	Nov. 6 - 11, 1994
June 19 - 24, 1994	Nov. 13 - 18, 1994
June 26 - July 1, 1994	Nov. 27 - Dec. 2, 1994
July 3 - 8, 1994	Dec. 4 - 9, 1994
July 10 - 15, 1994	Dec. 11 - 16, 1994

GRADES 7,8,9

AVIATION CHALLENGE Basic

March 13 - 18, 1994	July 3 - 8, 1994
March 20 - 25, 1994	July 10 - 15, 1994
March 27 - April 1, 1994	July 17 - 22, 1994
April 3 - 8, 1994	July 24 - 29, 1994
April 10 - 15, 1994	July 31 - Aug. 5, 1994
April 17 - 22, 1994	Aug. 7 - 12, 1994
April 24 - 29, 1994	Aug. 14 - 19, 1994
May 1 - 6, 1994	Aug. 21 - 26, 1994
May 8 - 13, 1994	Aug. 28 - Sept. 2, 94
May 29 - June 3, 1994	Sept. 4 - 9, 1994
June 5 - 10, 1994	Sept. 11 - 16, 1994
June 12 - 17, 1994	
June 19 - 24, 1994	
June 26 - July 1, 1994	

GRADES 7,8,9

U.S. SPACE ACADEMY Level I

Nov. 7 - 12, 1993	June 19 - 24, 1994
Nov. 14 - 19, 1993	June 26 - July 1, 1994
Dec. 5 - 10, 1993	July 3 - 8, 1994
Dec. 26 - 31, 1993	July 10 - 15, 1994
March 6 - 11, 1994	July 17 - 22, 1994
March 13 - 18, 1994	July 24 - 29, 1994
March 20 - 25, 1994	July 31 - Aug. 5, 1994
March 27 - April 1, 1994	Aug. 7 - 12, 1994
April 3 - 8, 1994	Aug. 14 - 19, 1994
April 10 - 15, 1994	Aug. 21 - 26, 1994
April 17 - 22, 1994	Aug. 28 - Sept. 2, 1994
April 24 - 29, 1994	Sept. 4 - 9, 1994
May 1 - 6, 1994	Sept. 18 - 23, 1994
May 8 - 13, 1994	Oct. 2 - 7, 1994
May 15 - 20, 1994	Oct. 16 - 21, 1994
May 22 - 27, 1994	Oct. 30 - Nov. 4, 1994
May 29 - June 3, 1994	Nov. 13 - 18, 1994
June 5 - 10, 1994	Dec. 4 - 9, 1994
June 12 - 17, 1994	Dec. 27 - Jan. 1, 1995
	(*Tue - Sun)

GRADES 10, 11, 12

AVIATION CHALLENGE

Intermediate

May 29 - June 3, 1994	July 24 - 29, 1994
June 5 - 10, 1994	July 31 - Aug. 5, 1994
June 12 - 17, 1994	Aug. 7 - 12, 1994
June 19 - 24, 1994	Aug. 14 - 19, 1994
June 26 - July 1, 1994	Aug. 21 - 26, 1994
July 3 - 8, 1994	Aug. 28 - Sept. 2, 1994
July 10 - 15, 1994	Sept. 4 - 9, 1994
July 17 - 22, 1994	Sept. 11 - 16, 1994

GRADES 10, 11, 12

U.S. SPACE ACADEMY Level II

Nov. 6 - 13, 1993	June 25 - July 2, 1994
Nov. 13 - 20, 1993	July 2 - 9, 1994
Dec. 11 - 18, 1993	July 9 - 16, 1994
Dec. 26 - Jan. 2, 1994	July 16 - 23, 1994
(*SUN - SUN)	July 23 - 30, 1994
March 5 - 12, 1994	July 30 - Aug. 6, 1994
March 12 - 19, 1994	Aug. 6 - 13, 1994
March 19 - 26, 1994	Aug. 13 - 20, 1994
March 26 - April 2, 1994	Aug. 20 - 27, 1994
April 2 - 9, 1994	Aug. 27 - Sept. 3, 1994
April 9 - 16, 1994	Sept. 3 - 10, 1994
April 16 - 23, 1994	Sept. 10 - 17, 1994
April 23 - 30, 1994	Oct. 1 - 8, 1994
April 30 - May 7 - 1994	Oct. 22 - 29, 1994
May 7 - 14, 1994	Nov. 12 - 19, 1994
May 28 - June 4, 1994	Dec. 3 - 10, 1994
June 4 - 11, 1994	Dec. 27 - Jan. 3, 1995
June 11 - 18, 1994	(*Tue - Tue)
June 18 - 25, 1994	

ADULT

U.S. SPACE ACADEMY Level I

May 27 - 29, 1994	Sept. 23 - 25, 1994
June 17 - 19, 1994	Oct. 7 - 9, 1994
July 15 - 17, 1994	Oct. 21 - 23, 1994
Aug. 19 - 21, 1994	Nov. 4 - 6, 1994
Sept. 9 - 11, 1994	Nov. 18 - 20, 1994

ADULT

AVIATION CHALLENGE

May 27 - 29, 1994	Aug. 5 - 7, 1994
June 24 - 26, 1994	Sept. 16 - 18, 1994
July 15 - 17, 1994	

PARENT/CHILD

Florida Campus

Nov. 26 - 28, 1993	June 17 - 19, 1994
Dec. 26 - 28, 1993	June 24 - 26, 1994
Jan. 1 - 3, 1994	July 1 - 3, 1994
Jan. 14 - 16, 1994	July 8 - 10, 1994
Feb. 18 - 20, 1994	July 15 - 17, 1994
March 11 - 13, 1994	July 22 - 24, 1994
March 18 - 20, 1994	July 29 - 31, 1994
April 1 - 3, 1994	Aug. 5 - 7, 1994
April 15 - 17, 1994	Aug. 12 - 14, 1994
April 22 - 24, 1994	Aug. 19 - 21, 1994
May 6 - 8, 1994	Aug. 26 - 28, 1994
May 13 - 15, 1994	Sept. 2 - 4, 1994
May 20 - 22, 1994	Sept. 16 - 18, 1994
May 27 - 29, 1994	Oct. 7 - 9, 1994
June 3 - 5, 1994	Nov. 25 - 27, 1994
June 10 - 12, 1994	Dec. 26 - 28, 1994

PARENT/CHILD

Alabama Campus

Nov. 26 - 28, 1993	July 8 - 10, 1994
Dec. 17 - 19, 1993	July 15 - 17, 1994
Dec. 31 - Jan. 2, 1994	July 22 - 24, 1994
Feb. 18 - 20, 1994	July 29 - 31, 1994
April 29 - May 1, 1994	Aug. 5 - 7, 1994
May 6 - 8, 1994	Aug. 12 - 14, 1994
May 13 - 15, 1994	Aug. 19 - 21, 1994
May 20 - 22, 1994	Aug. 26 - 28, 1994
May 27 - 29, 1994	Sept. 2 - 4, 1994
June 3 - 5, 1994	Sept. 9 - 11, 1994
June 10 - 12, 1994	Sept. 16 - 18, 1994
June 17 - 19, 1994	Oct. 28 - 30, 1994
June 24 - 26, 1994	Nov. 25 - 27, 1994
July 1 - 3, 1994	

EDUCATORS

DISCOVERING SPACE: THE CLASSROOM CONNECTION (Alabama)

June 12 - 17, 1994	July 17 - 22, 1994
June 19 - 24, 1994	July 24 - 29, 1994
June 26 - July 1, 1994	July 31 - Aug. 5, 1994
July 10 - 15, 1994	Aug. 14 - 19, 1994

SPACE ORIENTATION FOR PROFESSIONAL EDUCATORS (Alabama)

July 31 - Aug. 5, 1994

PROFESSIONAL EDUCATORS: COUNTDOWN TO LEARNING (Florida)

Feb. 22 - 27, 1994	July 12 - 17, 1994
June 21 - 26, 1994	Aug. 9 - 14, 1994

"We reserve the right to cancel a session date if participation numbers are not adequate."

MAIL COMPLETED APPLICATION TO:

U.S. SPACE CAMP
1994 Reservations
P.O. Box 070015
Huntsville, AL 35807-7015

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 SPACE CAMP Reservations.

PLEASE RETURN THIS APPLICATION WITH THE TUITION. SEE METHOD OF PAYMENT SECTION BELOW.

PLEASE MAKE PHOTO COPIES OF ALL DOCUMENTS BEFORE SENDING TO 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 _____) _____

How many previous sessions have you attended? _____

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 (ALABAMA & FLORIDA)
SPACE ACADEMY (LEVEL I AND II)
AVIATION CHALLENGE (BASIC & INTERMEDIATE)**

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. If you transfer from one year to another, you are subject to a \$50.00 transfer fee at the time of the transfer.

Please indicate choices below:

SPRING (Feb.-May) 1st choice _____

2nd choice _____

3rd choice _____

SUMMER (June-August) 1st choice _____

2nd choice _____

3rd choice _____

FALL (Sept.-Dec.) Indicate choice _____

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) \$ _____

Team video: \$45 (See page 22) _____

Uniform Package: \$75 _____

Package One (SSP) Size: _____

Package Two (WSP) Size: _____

Package Three (FLT) Size: _____

Amount Enclosed TOTAL \$ _____

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

☐ VISA ☐ MasterCard ☐ American Express

Card No. _____

MO YEAR

EXPIRATION DATE

Signature Required

**FOR OFFICE USE ONLY
REGISTRATION STATUS**

Session (Date) _____

Waiting List _____

Transferred _____

1994 APPLICATION

NAME

LAST

FIRST

U.S. SPACE CAMP
1994 Reservations
P.O. Box 070015
Huntsville, AL 35807-7015

Session date: _____ Reservation No.: _____
Date reservation phoned in: _____

PLEASE MAKE PHOTO COPIES OF ALL DOCUMENTS BEFORE SENDING TO RESERVATIONS.

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

ALL APPLICANTS – PLEASE PRINT

Parent or Guardian
Business phone (AC _____) _____

Signature Required

3rd choice _____

_____ CC MO CSH
Date received fee

ADULTS/EDUCATORS/PARENT & CHILD NAME

LAST

FIRST

sea scenarios test your tenacity. At the fun-for-all, the Water Olympics Competition, you may be rewarded for speed, efficiency and sportsmanship.

Land Survival

It's just you and the land — what should you do? Whether as a signal or a source of heat, learn the right way to build a fire before you set off to locate food and palatable water. Another basic requirement, shelter, requires keen powers of observation, and a certain amount of engineering ingenuity. All efforts are good practice for the Land Survival Competition.

Intermediate

Grades 10 thru 12

Flight Training

The level of sophistication increases, making the Intermediate program age and activity appropriate. Nine hours of simulator time aboard a high performance, "supersonic" jet fighter simulator turns up the tempo and the heat as you learn to work as a team and develop leadership skills. Plus, see if you can take the stress of 3-G force with one of AVIATION CHALLENGE's latest simulators. The two-man, enclosed cabin of the rotating Centrifuge exposes you to the G-forces associated with high performance flight.

Aircraft carrier operations and exercises in catapult launch and arrested landing procedures are practiced. The ultimate test is your 12-hour, applied or "Red Flag" exercise which combines flight, land and water



activities. Red Flag, a realistic war game, will demonstrate your squadron teamwork and individual flight proficiency as you execute air-to-air intercepts. When you receive that final Air Tasking Order (ATO): Fight's on!

Graduates qualify for college credit from University of North Dakota.

Offered on a limited basis in 1994 with the University of North Dakota, INTERMEDIATE trainees can spend two hours in actual flight time behind the controls of a single engine plane. Call 1-800-63 SPACE for details.

Water Survival

Phew! "It's a lot further from up here than it looks from the ground." That could be the thought going through your mind right before you take a breath, swallow and begin your descent down the 40 ft. parachute slide wire. Hitting the water, you'll practice parachute

disentanglement techniques. Other water activities include the Helo Dunker and Helo Hoist exercises and life raft training with single and multiple-person rafts.

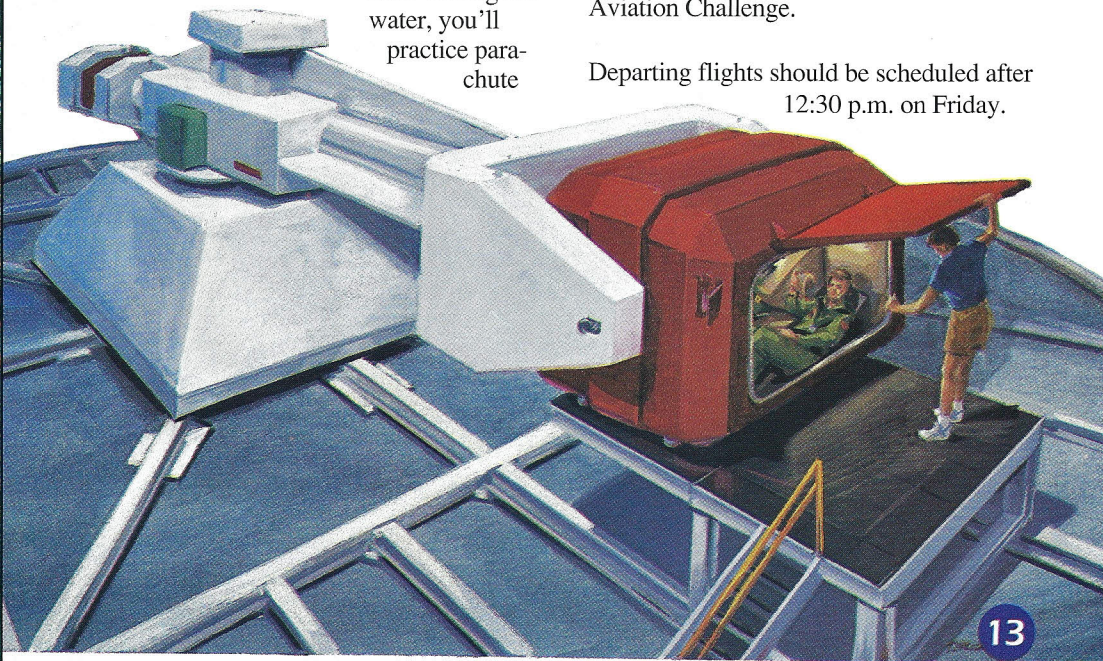
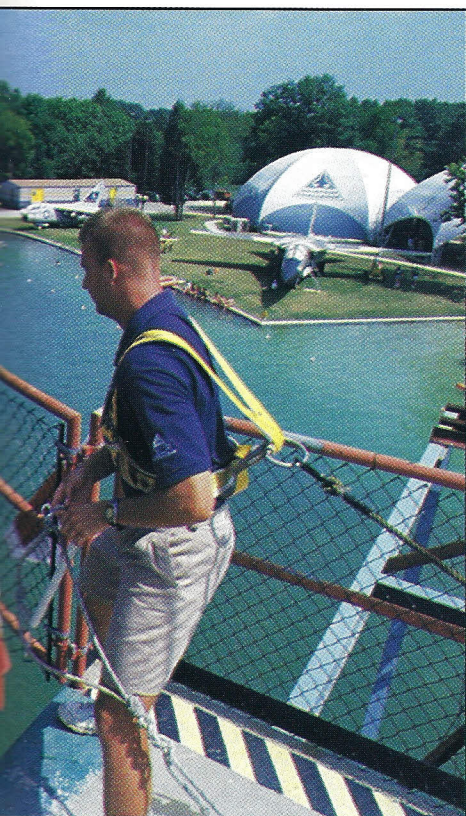
Land Survival

Think you can hack it on your own? Learn some of the tricks of the trade and maybe you will. Fire building, food and water procurement and shelter building are the basics. Add experience in navigation and signaling and you increase your chances of rescue and survival. The art of camouflage is another skill you'll acquire in this advanced program.

Basic and Intermediate Arrival & Graduation

Arrival time is Sunday between 1:00 p.m. and 3:00 p.m. Family and friends who wish to attend the 11:00 a.m. graduation ceremony on Friday should report to the Habitat to board a bus for transportation to Aviation Challenge.

Departing flights should be scheduled after 12:30 p.m. on Friday.



3

DAY MISSION:

Alabama & Florida

A positive mental attitude and overall self-confidence are greatly enhanced by parental support and encouragement. Acknowledging this, U.S. SPACE CAMP offers a special program on selected weekends to provide parents and guardians an opportunity to take a unique and active role in promoting math/science education while boosting their child's self esteem. Recommended for parents/guardians and children ages 7-11. PARENT & CHILD programs also promote learning as a life-long activity.

"My son and I were greatly honored to have received Right Stuff Awards at the conclusion of our session and I assure you that these medallions will serve as a constant reminder of many precious and rare memories that most parents and children, unfortunately, are never able to experience. I compliment you on the foresight and vision shown by the creation of the SPACE CAMP program, and offer my testimonial to its great benefits to the citizens of our nation who are privileged to participate in it." — Richard H. Dorrough, Circuit Judge, Montgomery, AL



Parent/Child SPACE CAMP

A 3-day program for parents/guardians and children ages 7-11.

Together, you will explore the history, present and future of manned space flight. Lectures by staff, presentations in the U.S. Space & Rocket Center's Spacedome Theater (Alabama program) or U.S. Astronaut Hall of Fame's Shuttle to Tomorrow (Florida program), hands-on astronaut and missions training in the U.S. SPACE CAMP

Training Center, and tours of NASA facilities (Marshall Space Flight Center in Alabama and Kennedy Space Center in Florida) create a mix of learning and fun certain to make lasting memories.

Build and launch model rockets, and experience astronaut training simulators such as the

Five Degrees of Freedom Chair, the Manned Maneuvering Unit and the 1/6th Gravity Chair. You'll become real teammates during two simulated



shuttle missions. Whether side-by-side at Mission Control or executing an EVA (Extra-Vehicular Activity) as a member of the shuttle orbiter crew, parents and their children may achieve a new level of mutual respect and friendship. Tuition includes meals, educational programs and materials, accommodations, T-shirt, and hat.

Arrival time is Friday at 8:00 a.m. Graduation is Sunday at



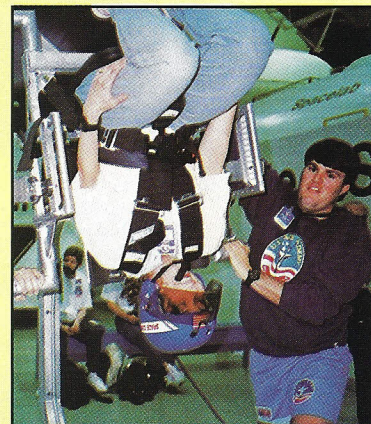
10:00 a.m. Departing flights should be scheduled after 11:00 a.m. on Sunday.

Note - Some of the simulators carry height and/or weight restrictions. Maximum weight on most simulators is 260 lbs. The minimum height requirement is generally four feet.

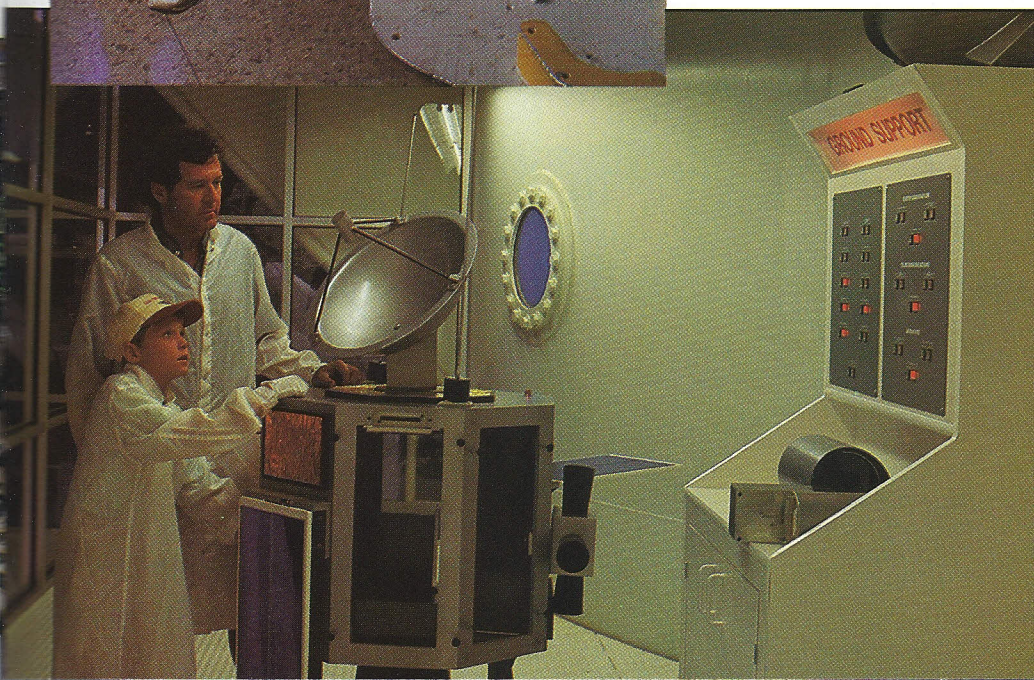
Specialty Programs

HEARING IMPAIRED AND VISUALLY IMPAIRED

Hearing and/or visually impaired young people often lack positive role models to influence career aspirations and, consequently, valuable potential is needlessly wasted. Recognizing the special need for motivational programs for these students, U.S. SPACE CAMP works with organizations such as the West Virginia School for the Blind and the Alabama Institute for the Deaf and Blind, in custom-tailoring the U.S. SPACE ACADEMY Level I curriculum to provide meaningful, inspirational experiences. "The ability to dream is governed by sight and vision, but not the kind of sight and vision missing for these young people. In that respect, I'd say everyone in this session has 20/20 vision," says U.S. Space & Rocket Center Director Edward O. Buckbee.



These programs have attracted young people from across the U.S. and have also sparked an interest for adult level programs. Enlarged print, braille, sign language, attention to mobility hazards and other special considerations are extended to put trainees at ease. For more information about these and other specialty programs, call 1-800 63 SPACE.



3^{TO}8

ADULT ADVENTURES

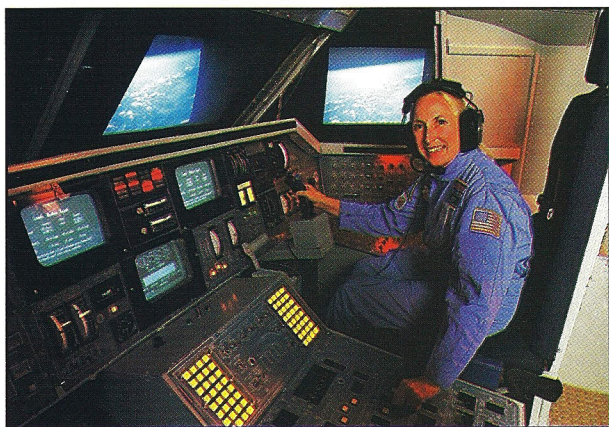
DAY MISSIONS:

SPACE ACADEMY®

Level I

Alabama Campus

Adult Level I takes you through the rigors of astronaut and mission training while providing an abbreviated lecture schedule. Receive your mission assignments shortly after arrival and begin preparation for your shuttle and space station missions. Experience the astronaut training simulators in a unique, educational role playing scenario. Space shuttle and space station missions promise to keep your energy and excitement levels high as you and your



teammates give your dreams a taste of reality.

Tours of NASA's Marshall Space Flight Center and the U.S. Space and Rocket Center round out your weekend excursion.

Tuition includes meals, educational programs and materials, accommodations and T-shirt.

Arrival time is 8:00 a.m. on Friday. Family and friends who wish to attend the 11:00 a.m. graduation ceremony on Sunday should report to the U.S. Space & Rocket Center's main lobby for ceremony location. Departing flights should be scheduled after 1:00 p.m.

SPACE ACADEMY®

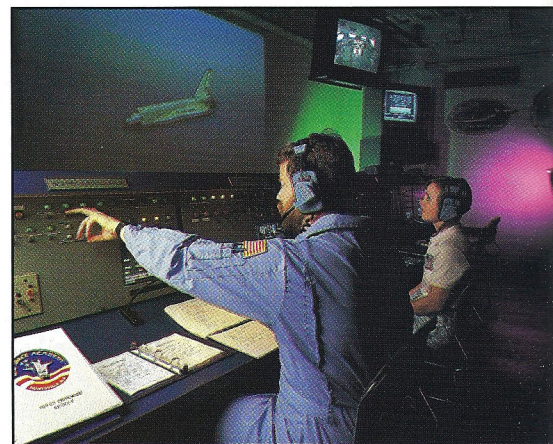
Level II

An 8-day program for adults age 19+.

This intensive session is recommended for adults who have graduated from a Level I program and who are seeking an even greater challenge.

More than 90 hours of instruction gives the ADULT ACADEMY Level II program more training opportunities, more fun and more excitement. Depending upon track of study, (see pages 10 and 11 for

track details) you may execute simulated EVA's (Extra Vehicular Activities) in the UAT (Underwater Astronaut Trainer), or conduct thought-provoking experiments aboard space station.



Three 2-hour missions allow tracks to switch roles from space station to orbiter to mission control. At the end of the week trainees come together for an **Extended Duration Mission (EDM)**, lasting either 12 or 24 hours (ask your reservations agent about sessions featuring a 24 hr. mission).

Tuition includes meals, educational programs and materials, accommodations and T-shirt.

Arrival time is between 1:00 p.m. and 4:00 p.m. Family and friends who wish to attend the 1:00 p.m. graduation ceremony should report to the U.S. Space & Rocket Center's



main lobby for ceremony location. Departing flights should be scheduled after 3:30 p.m.

PLEASE NOTE: See page 11 for details on SCUBA instruction.

AVIATION CHALLENGE®

A 3-day weekend program, with an optional 2-day, air-to-air combat experience at Sky Warriors* for adults age 19+.

If you have ever longed to put the "wild" in "blue yonder," AVIATION CHALLENGE is the answer to your desire.

As weekend jet jockeys, you and your teammates undergo training developed from actual military pilot training procedures. Nerves of steel will serve you well as you take the cockpit for spine-tingling, fighter-pilot simulations featuring air-to-air intercepts. Increase and sharpen your stamina and reflexes as you take on water survival scenarios. Test your physical and emotional mettle with parachute disentanglement exercises and life raft rescue procedures — just a couple of the challenging training activities. A series of briefings complement hands-on activities and help you hone skills that prepare you for the finale: an aerial combat mission which reveals the real flying ace among you. Break the excitement barrier, take the AVIATION CHALLENGE.

If a Level II program never happens, or if I can't be at Level II, I will still have realized a lifelong fantasy which is something few people ever get to do. — Adult Level I trainee, Tom Mitchell, Salt Lake City, Utah

your machine gun. If you shoot straight, you see a trail of smoke pour from the defeated aircraft. Following a military style debriefing, you take home the videotape of your cockpit, and gun camera action from your flight.



During your stay in Atlanta, you will visit a local military fighter unit and operational facility. Receive briefings from the vets. It's the real thing!

Arrival time is 8:00 a.m. on Friday. Graduation is on Sunday at 11:00 a.m. at the AVIATION CHALLENGE facility. Family and friends are welcome. For those choosing the Sky Warrior option, air departures

should be scheduled from Atlanta's Hartsfield International Airport after 6:30 p.m. on Monday. For those arriving by car, transfers are provided between Atlanta and Huntsville.

*AVIATION CHALLENGE /SKY WARRIORS 2-day Supplement

The optional Sky Warrior enhancement begins late Sunday. You will travel to Atlanta for the experience of a lifetime! So, you were the "Top Gun" with the simulator; now, let's see who is the "Top Gun" in the "real" thing. Real opponents. Real T-34 fighter aircraft. A veteran fighter pilot coaches you from the rear seat. Together, you fly combat maneuvers against the enemy. Your headset amplifies the staccato shots of



5

DAY MISSION:

SPACE ACADEMY[®] For Educators

MISSION

To assist professional educators in motivating young people toward greater achievement in science and math by providing them with exciting space science and astronaut-style training, resources and applications.

Alabama Campus

DISCOVERING SPACE: THE CLASSROOM CONNECTION

This hands-on based program aims to infuse classroom excitement by motivating and inspiring teachers. It uses the same hands-on techniques with training and mission simulators used in our youth programs and supplements them with classroom applications. Marshall Space Flight Center, NASA's leading center for propulsion development, supports the program. Teachers may apply for possible in-service credit through their local school systems.

Guest and staff briefings provide fuel for classroom use; Omni-Max presentations fire the imagination. Hands-on ideas in a special Classroom Connection session and rocket building activity greatly enhance the "hands-on" astronaut and mission training. Two simulated shuttle missions allow you to participate in roles both on the ground and in space.

Tuition includes meals, educational programs, log book and related materials, accommodations and T-shirt.

Arrival time is Sunday between 12:00 - 2:00 pm. Family and friends who wish to attend the 9:00 a.m. graduation on Friday should report to the U.S. Space & Rocket Center's main lobby for ceremony location. Departing flights should be scheduled after 11:00.

SPACE ORIENTATION FOR PROFESSIONAL EDUCATORS—SOPE

A five-day program offering college credit.



This program is offered jointly by U.S. SPACE ACADEMY and the University of Alabama in Huntsville (UAH). Supported by NASA's Marshall Space Flight Center through a tour, guest speakers and hands-on activities at the Marshall Discovery Lab. Lectures and labs are provided by university and NASA personnel to reflect current research and technological developments in space related subjects. Hands-on astronaut and mission training in the U.S. SPACE CAMP Training Center instills excitement certain to be contagious in the classroom.

Tuition includes meals, educational programs, resource materials, accommodations, and college credit. Three semester hours

of graduate credit are granted in elementary education, secondary education or science, based on participation.

Arrival time is between 1:00 p.m. and 4:00 p.m. at the Tom Bevill Center on the UAH campus. Family and friends who wish to attend the 9:00 a.m. graduation on Friday should report to the Bevill Center at UAH. Departing flights should be scheduled after 4:00 p.m.

NOTE: SOPE is open to U.S. educators one week in 1994. Alabama teachers may attend other weeks. Contact the Alabama State Department of Education for more information.

Florida Campus

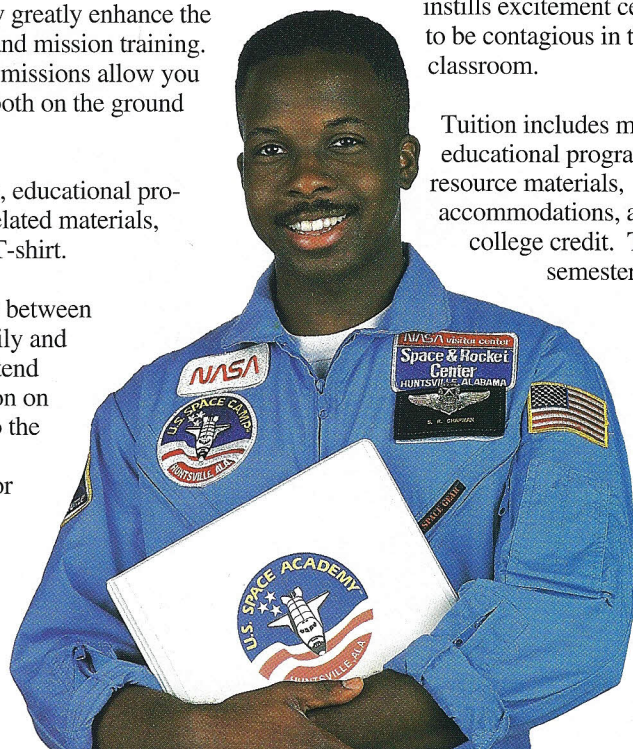
PROFESSIONAL EDUCATORS COUNTDOWN TO LEARNING—

A five-day program offering college credit.

Countdown to Learning is offered jointly by U.S. SPACE CAMP FLORIDA, and an accredited Florida university, in conjunction with the John F. Kennedy Space Center, (NASA's launch complex). This program combines elements similar to both programs at the Alabama campus in a relaxed Florida environment. Briefings and hands-on activities at Florida SPACE CAMP's training facilities are complemented by special tours at KSC plus university coordinated activities.

Tuition includes meals, educational programs, log book and related materials, accommodations, T-shirt and college credit.

Arrival time is Tuesday at 5:00 p.m. Family and friends who wish to attend the 3:00 p.m. graduation on Sunday should report to the SPACE CAMP lobby for the ceremony's location. Departing flights should be scheduled after 5:00 p.m. on Sunday.



SPRING BREAKS

1994 Calendar

Selected locations
within the U.S. by
date of vacation.

MARCH 7-11

ALASKA
FAIRBANKS
NEW MEXICO
LAS CRUCES

MARCH 14-18

ALASKA
ANCHORAGE
ARIZONA
MESA
MISSISSIPPI
JACKSON
NEBRASKA
WEST SIDE
COMMUNITY

MARCH 14-25

TEXAS
AUSTIN
DALLAS
FORT WORTH
HOUSTON
LUBBOCK

MARCH 21-25

COLORADO
COLORADO
SPRINGS
JEFFERSON CO.
(GOLDEN)

HAWAII
ALL PUBLIC
SCHOOLS

IOWA
DES MOINES
WATERLOO

KANSAS
KANSAS CITY
SHAWNEE
MISSION
TOPEKA
WICHITA

LOUISIANA
SHREVEPORT

NORTH DAKOTA
BISMARCK Actual
Dates 3/24& 3/25

OKLAHOMA
OKLAHOMA CITY
TULSA

OREGON
PORTLAND

TEXAS
EL PASO Actual
Dates 3/21-3/25
SAN ANTONIO
Actual Dates 3/21-3/25
(Some San Antonio
schools are on a year
round schedule. -
Breaks 9/20-10/8; 11/24-
11/29; 12/18-1/9; 3/14-
4/4; 6/11-6/30)

MARCH 28- APRIL 1

VACATION
INCLUDES APRIL 4
ALABAMA
BIRMINGHAM
HUNTSVILLE
JEFFERSON CO
MADISON CO
MOBILE

ALASKA
JUNEAU

ARIZONA
PHOENIX
TUCSON Actual
Dates 3/31-4/4

ARKANSAS
CENTRAL
DISTRICT
FT. SMITH
LITTLE ROCK
Actual Dates 3/25-4/1

CALIFORNIA
LOS ANGELES
SACRAMENTO
SAN DIEGO
(San Diego grade schools
are on a year round
schedule. these schools
always have 1/4 of
students on vacation.
SAN FRANCISCO

COLORADO
DENVER

CONNECTICUT
HARTFORD
NEW HAVEN

**DISTRICT OF
COLUMBIA**
WASHINGTON

FLORIDA
BROWARD CO. (FT.
LAUDERDALE)
HILLSBOROUGH
CO. (TAMPA)
PINELLAS CO.
(CLEARWATER)

IDAHO
BOISE
COEUR D'ALENE
POCATELLO

ILLINOIS
ELGIN

INDIANA
INDIANAPOLIS

IOWA
DAVENPORT

LOUISIANA
EAST BATON
ROUGE PARISH
JEFFERSON PARISH
Actual Dates 4/1-4/4
ORLEANS PARISH
Actual Dates 3/31-4/4

MARYLAND
ANNAPOLIS
BALTIMORE

MICHIGAN
LANSING

MINNESOTA
BLOOMINGTON
MINNEAPOLIS
ST. PAUL Actual
Dates 3/28-4/5

MISSISSIPPI
BILOXI
GULFPORT

MISSOURI
KANSAS CITY
SPRINGFIELD

MONTANA
BILLINGS

NEBRASKA
OMAHA

NEVADA
LAS VEGAS

NEW MEXICO
ALBUQUERQUE
FARMINGTON

NEW YORK
NEW YORK CITY

NORTH CAROLINA
WAKE CO.
(RALEIGH)

PENNSYLVANIA
HARRISBURG
Actual Dates 3/30-
4/4
PHILADELPHIA

SOUTH CAROLINA
GREENVILLE

SOUTH DAKOTA
RAPID CITY Actual
Dates 3/31-4/1
SIOUX FALLS
Actual Dates 4/1-
4/4

TENNESSEE
DAVIDSON CO.
(NASHVILLE)
KNOXVILLE
MEMPHIS

UTAH
SALT LAKE CITY
Actual Dates 4/1-
4/4

VIRGINIA
ALEXANDRIA
FAIRFAX CO.

WISCONSIN
MADISON

WYOMING
CHEYENNE

APRIL 4-8

CALIFORNIA
BEVERLY HILLS
OAKLAND

DELAWARE
ALL PUBLIC
SCHOOLS

FLORIDA
DADE CO. (MIAMI)
ORLANDO
PALM BEACH CO.
PENSACOLA

GEORGIA
ATLANTA
COBB CO.
DE KALB CO.
FULTON CO.
GWINNETT CO.

ILLINOIS
EAST ST. LOUIS
Actual Dates 4/1-4/5
PEORIA

INDIANA
FORT WAYNE
GARY Actual Dates
4/1-4/8
SOUTH BEND Actual
Dates 4/1-4/8

KENTUCKY
DAVIES COUNTY
JEFFERSON CO.
(LOUISVILLE) -
LEXINGTON-
FAYETTE

MICHIGAN
DETROIT Actual
Dates 4/1-4/8

MISSOURI
ST. LOUIS

MONTANA
GREAT FALLS

NEBRASKA
LINCOLN Actual
Dates 4/1-4/5

NEVADA
CARSON CITY
RENO

NEW JERSEY
JERSEY CITY Actual
Dates 4/1-4/8
NEWARK

NEW YORK
BUFFALO Actual
Dates 3/30-4/8

NORTH CAROLINA
MECKLENBURG CO.
(CHARLOTTE)
Actual Dates 4/1-
4/8

GREENESBORO

NORTH DAKOTA
FARGO Actual Dates
4/1-4/5

OHIO
CINCINNATI
COLUMBUS Actual
Dates 4/1-4/8
TOLEDO

PENNSYLVANIA
PITTSBURGH

SOUTH CAROLINA
CHARLESTON
HAMPTON Actual
Dates 4/1-4/6

TENNESSEE
CHATTANOOGA

VIRGINIA
NORFOLK
VIRGINIA BEACH

WASHINGTON
SEATTLE
SPOKANE
TACOMA

WEST VIRGINIA
CHARLESTON
(Some schools use
year round schedule
with no winter or
spring breaks)
HUNTINGTON

WISCONSIN
MILWAUKEE
Actual Dates
4/1-4/8
RACINE Actual
Dates 4/1-4/8

APRIL 11-15
FLORIDA
JACKSONVILLE

APRIL 18-22
CONNECTICUT
BRIDGEPORT

MASSACHUSETTS
BOSTON (4th thru
12th Grades only)

MAINE
BANGOR
LEWISTON
PORTLAND

NEW YORK
ALBANY
SYRACUSE

RHODE ISLAND
ALL PUBLIC
SCHOOLS

VERMONT
ALL PUBLIC
SCHOOLS

APRIL 25-29
ILLINOIS
CHICAGO

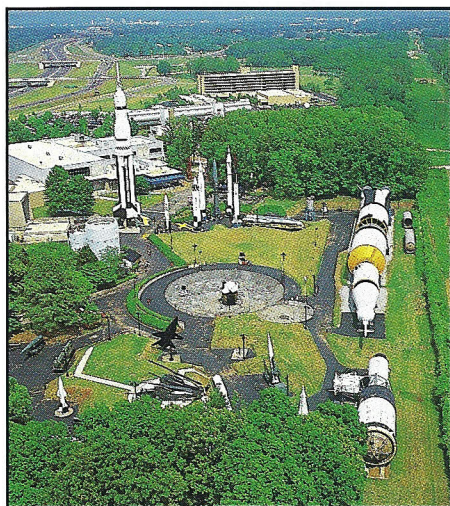
NEW HAMPSHIRE
CONCORD Actual
Dates 4/24-5/2

GRADUATION

Alabama Campus

Family members are invited to attend Huntsville graduation ceremonies. Plan to arrive early for graduation. After ceremonies are concluded, enjoy a leisurely tour of the U.S. Space & Rocket Center attractions.

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 premiere showcase of space technology. The Space Center established U.S. SPACE CAMP in 1982, thereby extending the concept of its hands-on exhibits by creating stimulating space adventures for youth 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 evolution of our space program.

Spacedome Theater boasts a 67-foot domed screen and a state-of-the-art sound system. Stunning cinematography and thundering audio re-create the sights and sounds of space as captured by U.S. shuttle astronauts.



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. Narrated bus tours take Center guests past historical propulsion test stands and to a variety of key stops which characterize work being accomplished at Marshall Space Flight Center. From the Redstone Rocket to America's Space Station, tour goers receive fresh insight to space program goals.

Getting to the U.S. Space & Rocket Center is easy—no matter how you choose to travel (see map above and transportation information on page 24). Staying overnight is equally simple.

The Huntsville Marriott is conveniently located on the grounds of the U.S. Space & Rocket Center. Call 1-800-63 SPACE 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.

HUNTSVILLE
Marriott



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). Call Delta toll-free at 1-800-241-6760 (8 am to 8 pm Eastern Time) for reservations.

DELTA

The Official Airline Of U.S. Space Camp



Drive a bargain when visiting U.S. SPACE 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.

Budget

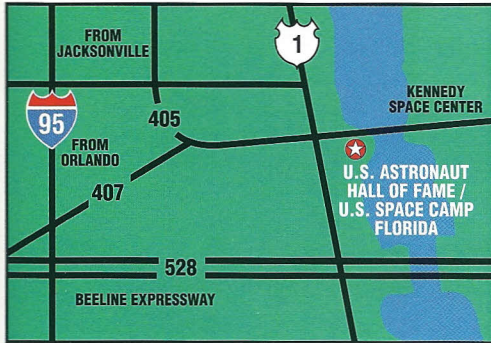
car and
truck rental

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.

Florida Campus

FLORIDA: U.S. ASTRONAUT HALL OF FAME

Family members are invited to participate in Florida graduation activities at the conclusion of each session. Plan to arrive early for graduation and then enjoy a leisurely tour of the Astronaut Hall of Fame available to SPACE CAMP families at no charge. The U.S. Astronaut Hall of Fame in



Titusville, FL, located at the entrance to the NASA Kennedy Space Center, tells the human story of America's manned space flight program. With the astronauts' own words, live the history of their heroic flights. Then, share an adventure aboard the Shuttle to Tomorrow exhibit which features



a multi-sensory video inside the cargo bay of a full size space shuttle orbiter replica.

Getting to SPACE CAMP Florida is easy (see maps left and below and transportation information on page 24).

Spaceport USA, the visitor's center at Kennedy Space Center, is your gateway to NASA's launch complex 39 where the space shuttle is prepared and launched. Guided bus tours take you near the massive Vehicle Assembly Building, an authentic Saturn V moon rocket, and the shuttle launch pads. While at Spaceport, don't



FLORIDA'S SPACE COAST

miss the "Dream Is Alive" and "Blue Planet" IMAX movies. Spaceport USA opens daily at 9:00 a.m. Florida's Space Coast offers a variety of accommodations and entertainment options. For a complete Space Coast vacation planner, call 1-800-USA-1969.

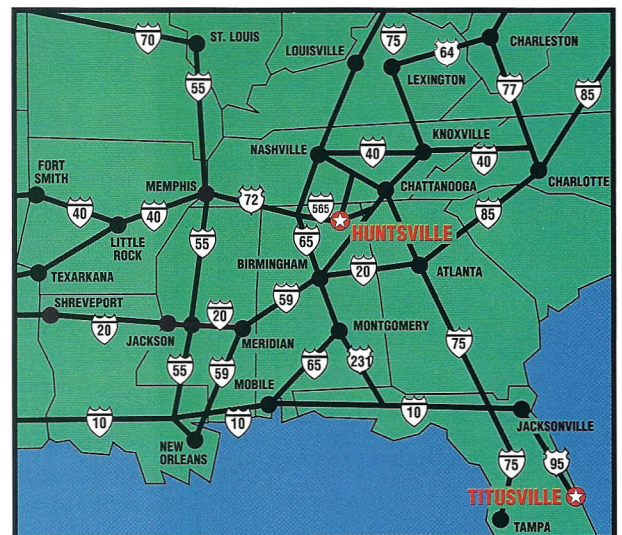
Delta, the official airline for U.S. SPACE CAMP, offers special rates for the entire family for flights to U.S. SPACE CAMP arriving in Orlando. Call Delta toll-free at 1-800-241-6760, 8:00 a.m. to 8:00 p.m. for reservations.

Budget Rent-A-Car is the official rent-a-car for U.S. SPACE CAMP. Drive a bargain when visiting U.S. SPACE CAMP Florida. Budget offers special rates to families traveling to U.S. SPACE CAMP Florida. In addition, Budget offers a free upgrade coupon (based on availability) which will be mailed to you prior to your camp session date. For rates and reservations, call Budget's Special Services Desk, toll-free, at 1-800-772-3773 and ask for rate code VARC-PACE. Rates are valid in Orlando, Melbourne, Cocoa Beach, Titusville and Daytona. SPACE CAMP families are entitled to



the benefits of Universal Studios Florida Fan Club. Universal Studios Florida is Orlando's premier attraction. You will experience over 40 rides, shows and movie street sets. Some of the exciting fan club discounts are a savings of 10% on admission to Universal Studios Florida and all merchandise, as well as savings at resorts, hotels, campgrounds, specialty stores and much more. Fan Club membership cards are available during SPACE CAMP registration.

Central Florida is the number one vacation destination in the world. Information on special SPACE CAMP family discounts to a variety of attractions and hotels in the Central Florida area will be sent prior to your camp session.





CONTINUING THE ADVENTURE

Team Videotape

A videotape of your adventure at SPACE CAMP, SPACE ACADEMY Level I, AVIATION CHALLENGE and Parent/



Child is available **ONLY IF YOU ORDER AT LEAST TWO WEEKS IN ADVANCE OF YOUR SESSION**. The cost of \$45 includes shipping and handling. If you are attending with a friend and you both wish to appear in the same video, you should both express teammate preference and order videos in each of your telephone reservations and/or applications. Videos (approximately 40 minutes in length) will be received about 6 weeks after graduation. Tapes include 10-12 of the week's activities and feature you and your teammates (3 minutes per trainee). Videotapes are **not** available for SPACE ACADEMY II, Adult or Educator programs. If we are unable to accommodate your video order, you will receive a refund.

Note: Video preference overrides teammate preference.

Scholarships

The U.S. Space & Rocket Center offers full-tuition scholarships to deserving students who are currently attending fourth through twelfth grades.

Applicants choose the categories in which they wish to compete: Scholastic Achievement, Ethnic Background or Financial need.

The competition is based on short essays submitted by students. To receive a scholarship application, call 1-800-63 SPACE. For further scholarship details write: Scholarship Office, U.S. SPACE CAMP, P.O. Box 070015, Huntsville, AL 35807-7015. (Note: Those seeking a scholarship to the Florida program will apply with the Alabama office).

Because sessions fill quickly, you might wish to consider registering while pursuing a scholarship. Should you receive a scholarship, your tuition will be refunded. (A number of youngsters who waited last year to learn if they received a scholarship before attempting to enroll were unable to attend because sessions were filled). **You do not have to preregister in order to apply for a scholarship.**

Deadlines for receipt of completed essays are January 1 and June 1. Winners will be notified eight to ten weeks after the deadline. Entries are not carried forward to the next competition. Scholarship recipients will attend the spring and fall sessions. Scholarship applications are available from October 1 to May 1.

Scout Merit Badges

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

4-H

Youths may now attend U.S. SPACE CAMP as a 4-H activity. 4-H Missions in Space is a high tech experience designed to supplement existing county and state sci/tech projects such as aerospace and rocketry. Both week-long and week-end programs are available as part of the Missions in Space curriculum. A national evaluation team of 4-H leaders has agreed that this experience is appropriate as part of the National 4-H Science and Technology Program. For more information, ask your 4-H leader to submit an inquiry to your state 4-H office.

Group Discount Tuitions

With attendance from all 50 states and over 30 foreign countries, U.S. SPACE CAMP, ACADEMY and AVIATION CHALLENGE provide trainees with a tremendous forum for cultural exchange and social development. Not only can these experiences impact the individual student, but also student groups who seek motivational education opportunities.

Ranging from school groups, to 4-H clubs, to scout troops and others, group attendance at either the Alabama or Florida training facilities can be the catalyst that sparks student imagination and achievement. Groups may be organized to attend selective U.S. SPACE CAMP/ACADEMY programs during most of our fall, winter and spring sessions and qualify for special group discounts, in addition to our seasonal discounts that are highlighted on the adjacent page.



It is our aim to provide group experience opportunities at your convenience; consequently, scheduling around school break periods (typical school year or year round school year) is anticipated and welcome. With acceptance of the programs as "academically sound" by numerous schools, your group may also elect to register during the academic school year. Check with your school's administrative office to ascertain the best times for your group to attend.

Call 1-800-63 SPACE and ask for SPACE CAMP Group reservations.

Uniforms



Additional Space Gear uniform options available for SPACE CAMP, SPACE ACADEMY and AVIATION CHALLENGE for \$75.00:

SPACE CAMP & ACADEMY

Package One(SSP): 2 Tee shirts with logo
2 Shorts with logo
1 Jacket with logo

Package Two(WSP): 1 Tee shirt with logo
1 Short with logo
1 Sweat shirt with logo
1 Sweat pant with logo
1 Jacket with logo

Package Three(FLT): Flight suit
Name tag

AVIATION CHALLENGE

Package Two(WSP): 1 Tee shirt with logo
1 Short with logo
1 Sweat shirt with logo
1 Sweat pant with logo
1 Hat with logo

Package Three(FLT): Flight suit
Name tag
AVIATION CHALLENGE flight suit availability.

BASIC: May be purchased as a prepaid package. (Suit is not provided as part of the program).

INTERMEDIATE: A flight suit is provided to camper for use during camp. A new suit may be purchased in the prepaid package for the camper to keep.

Gift Shops

Located on-site in Alabama and Florida, gift shops feature official SPACE GEAR clothing, NASA mission insignias, books, postcards, spacecraft models and more.



DATA

Transportation

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, call Delta reservations toll-free at 1-800-241-6760 from 8 a.m. to 8 p.m. Eastern Time. Be sure to ask for the file "SPACE CAMP." Group rates are also available.



1-800-241-6760

Last year, over 5,000 children flew to SPACE CAMP from all around the world. At Delta, they take great pride in their ability to care for your child. From the moment you arrive at the Delta Ticket Counter, an agent will be there to meet and assist your child. Your child will receive a special identification button to indicate his or her Unaccompanied Minor status. Delta will provide an escort to connecting flights, if necessary, as it is their policy never to leave a child alone. Delta is the official airline for kids. You can trust Delta.

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 airport transfers. Verification of transportation will be sent prior to arrival and a staff member will meet your plane or bus. **NOTE:** For SPACE CAMP Florida attendees (CAMP, Parent/Child and Educator programs) who arrive by air, there is a \$25 airport

transfer fee, payable upon registration. Bus transportation must be to Titusville, FL for SPACE CAMP—Do not use Orlando bus station.

If the form is not received two weeks prior to 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.*

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

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

Directions will be sent upon request for those driving to SPACE CAMP.

Health Care

In both Alabama and Florida, nurses are on duty during program hours and are on call during non-program hours. *A health information form will be included in your confirmation package which must be completed and returned prior to arrival. Make an extra copy for your child to bring.*

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 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. Call (205) 721-7162 for any health related questions, including special needs or requests.

Safety

At U.S. SPACE CAMP, the safety of all trainees is of prime concern. When arriving by air, trainees are greeted at the airport by SPACE CAMP personnel and transferred by bus or van to the Training Center. Airline tickets are collected and return flights are reconfirmed by SPACE CAMP staff members. Upon check-in at the Habitat, all students must call home to let parents/guardians know they have arrived safely. The Habitat complex has 24-hour security throughout the year.

Counselors are highly trained and certified in the proper use of all simulators so that trainees may have a safe and enjoyable experience. Each simulator is built to the highest of standards. All equipment is safety checked and maintained by professional technicians and each enclosed simulator is equipped with smoke detectors and closed circuit television. It is also a requirement that trainees wear safety helmets when using most of the astronaut training equipment.

Housing & Meals

Alabama Programs

Housing - Bed sheets and blanket, pillow and pillow case, towels and washcloths are provided. All student housing has a 24-hour supervisory staff and security staff.

U.S. SPACE CAMP - Trainees are usually housed in Habitat II of the Space Habitat Complex. Hab II features open bay dormitories.

U.S. SPACE ACADEMY I & II - Trainees are usually housed in Habitat I of the Space Habitat Complex. Trainees are

bunked six per room. **ACADEMY I** trainees may occasionally be housed in Hab II to accommodate male/female housing requirements. **AVIATION CHALLENGE Basic & Intermediate** - Trainees are housed on-site



in squadron bays at the AVIATION CHALLENGE compound.

Alabama Space Orientation for Professional Educators - Housing is provided at the University of Alabama in Huntsville at the Bevill Center.

Space Orientation: A Hands-On Program for Educators - Housing is provided at a nearby motel.

ADULT ACADEMY - Trainees are housed in Habitat I.

ADULT AVIATION CHALLENGE - Trainees are housed on-site in squadron bays at the AVIATION CHALLENGE compound.



Parent & Child - Parents and children stay together in Habitat I or at the AVIATION CHALLENGE facility.

Meals - Meals are provided at the Training Center cafeteria from afternoon arrival through graduation. Snacks, soft drinks and other items are available at various sites at trainee expense.

Florida Programs

Housing - Bed sheets and blanket, pillow and pillow case, towels and washcloths are provided. All student housing has a 24-hour supervisory staff and security staff.



U.S. SPACE CAMP - Trainees are housed on-site in open bay dormitory units.

Florida Professional Educators Countdown to Learning - Housing is at a nearby motel.

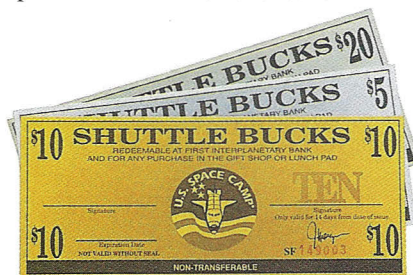
Parent & Child - Housing is on-site.

Parents and children of different sexes will be housed in different dormitories.

Meals - Meals 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 at trainee expense.

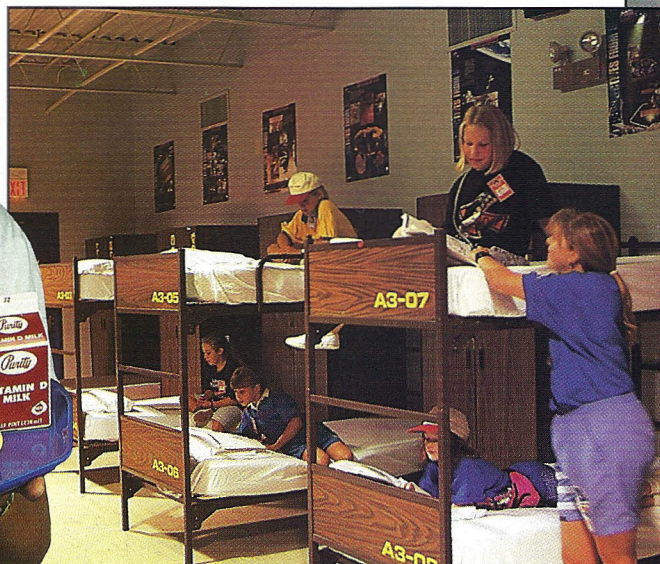
Money Transfer

Travelers checks or Shuttle/Space Bucks (see below) are strongly recommended. SPACE CAMP assumes no liability for cash or items lost. Trainees may purchase Shuttle Bucks in Alabama or Space Bucks in Florida, which are good for SPACE CAMP merchandise and additional food items. If Shuttle Bucks/Space Bucks are lost or stolen, they are reimbursable after 3 weeks. Shuttle Bucks/Space Bucks may be purchased with cash or check.



Early/Late Arrival

Counselor supervision, meals and lodging are available at a rate of \$60 per day if airline or bus schedules require early arrival or late departure (not available to adults). Please, arrivals should be no earlier than 2:00 p.m. the day prior to your session and departures no later than 2:00 p.m. the day after your session.



Communications

TDD/TTY

We are TDD/TTY accessible for the hearing impaired.

Telephone calls

Phone calls cannot be received by trainees on a routine basis. Trainees may use pay phones in the facility for outgoing calls. In case of emergency, call 205-837-3400 or 205-721-7185 to reach Alabama trainees and call 407-267-3184 to reach Florida trainees, day or night.

Mail

Mail can be received at the following addresses:

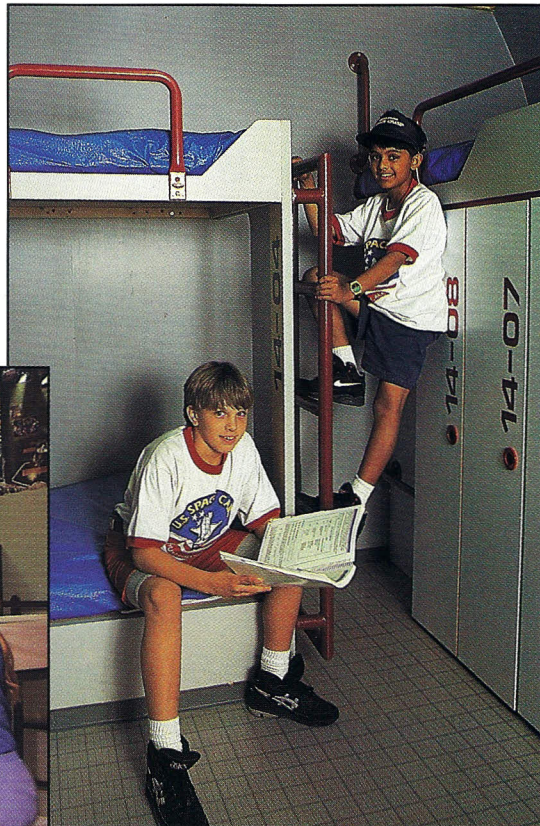
In Alabama:

Name
Date Registered
U.S. SPACE CAMP or U.S. SPACE ACADEMY
P.O. Box 070015
Huntsville, AL 35807-7015

In Florida:

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

Please allow 4 to 5 days for delivery beyond 100 miles.



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

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Photography by Charlie Seifried,
Bob Gathany, Richard Nowitz and
Arnie Katz.



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One Tranquility Base
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1-800-63-SPACE