



# SPACE CAMP<sup>®</sup> AVIATION CHALLENGE<sup>®</sup> *2004 Program Guide*



# CONTENTS



## 3 APPLICATION FORM

## CAMP INFORMATION

- 4 ACCREDITATION
- 4 SAFETY & MEDICAL
- 4 HOUSING
- 4 HOW TO REGISTER
- 5 SCHOLARSHIP PROGRAMS
- 5 PAYMENT OPTIONS
- 5 TRANSFER REQUESTS
- 5 CONFIRMATION PACKAGE
- 5 AIRLINE TRAVEL
- 5 ARRIVAL AT CAMP
- 5 EARLY/LATE DEPARTURES
- 5 MERCHANDISE
- 5 SPENDING MONEY
- 5 CAMP CHECK IN
- 6 VISITING TRAINEES
- 6 TELEPHONE CALLS
- 6 GRADUATION
- 6 CAMP PHONE LISTINGS



## PROGRAMS

### AGES 9-11

- 6 **SPACE CAMP:** Astronaut training for kids ages 9-11, choose Space or Aviation Track!
- 7 **AVIATION CHALLENGE MACH I:** High-performance fun for ages 9-11

### AGES 12-14

- 7 **SPACE ACADEMY:** Shuttle Mission training for ages 12-14, choose Robotics or Space Track
- 8 **MACH II:** TOPGUN competition for ages 12-14

### AGES 15-18

- 9 **ADVANCED SPACE ACADEMY:** Extended duration mission, includes SCUBA track
- 10 **MACH III:** The ultimate aviation rush for ages 15-18

### PARENT/CHILD PROGRAMS

- 10 **PARENT/CHILD SPACECAMP:** A weekend for just the two of you!



- 11 **PARENT/CHILD PLUS SPACE CAMP**
- 11 **PARENT/CHILD AVIATION CHALLENGE:** Get away and do something really special together!
- 11 **PARENT CHILD PLUS AVIATION CHALLENGE**

### SPECIAL PROGRAMS

- 11 **SPACE CAMP/AVIATION CHALLENGE FOR VISUALLY- AND HEARING-IMPAIRED STUDENTS:** It's an inspirational experience!

### BACK COVER 2004 SESSION DATES

#### OTHER PROGRAMS AVAILABLE, BUT NOT LISTED:

- Corporate SPACE CAMP®
  - Corporate AVIATION CHALLENGE®
  - SPACE ACADEMY® for Adults
  - Advanced SPACE ACADEMY for Adults
  - AVIATION CHALLENGE® for Adults
  - SPACE ACADEMY for Educators
  - Advanced SPACE ACADEMY for Educators
- For more information, check out our website at [www.spacecamp.com](http://www.spacecamp.com) or call 1-800-63 SPACE.**

## NEW FOR 2004! Register early and save!

**Early Bird Tuition Special:** The sooner you register, the more you save!

PROGRAM	REGISTER FROM		
	Aug 22-Dec 31 2003	Jan 1-Mar 15 2004	Mar 16-Aug 21 2004
SPACE CAMP MACH I	\$649	\$749	\$799
SPACE ACADEMY MACH II	\$649	\$749	\$899
ADV. SPACE ACADEMY MACH III	\$649	\$799	\$999 6-Day Program

Founded in 1982, SPACE CAMP®, and Aviation CHALLENGE® (1990), located in Huntsville, Ala., use space or aviation as a platform to excite and educate children ages 9 through 18, in the fields of math, science and technology. Space Camp programs range from 4-6 days, during which teamwork, self-confidence and communication will be achieved through state-of-the-art simulations, missions, rocket-building, robotics and all that the U.S. Space & Rocket Center Museum has to offer. Aviation Challenge programs range from 4-6 days, during which teamwork, self-confidence and communication will be achieved through state-of-the-art high-performance jet simulation, well-planned activities, land and water survival training, flight dynamics, and all that the U.S. Space & Rocket Center Museum has to offer. The cost of the camp includes all meals, lodging, program materials and activities. SPACE CAMP and AVIATION CHALLENGE have 24-hour medical and security on site.

## MISSIONS AT SPACE CAMP®

Approximately 250 miles above Earth, the International Space Station (ISS) orbits quietly and majestically as it watches over our planet. The Space Station is a "home away from home" for astronauts from around the world, as well as serving as one of the most sophisticated scientific laboratories known to man.

The highlight of any SPACE CAMP experience has always been the simulated space mission, but this year's missions are more exciting than ever, as we launch our shuttle missions to the new Space Station Complex. Your goal will be to successfully launch the Space Shuttle to visit the ISS. Getting there will take the efforts and abilities of every team member. Some team members will be trained in the computer and communication systems of Mission Control. These trainees will be responsible for commanding every aspect of the mission and must be prepared to solve problems as they arise. A computer might fail and fires may ignite, but Mission Control is ready for anything!

Other team members will receive highly-specialized crew assignments. These astronauts will become experts in spacewalking, piloting the shuttle or operating systems on the Space Station. And of course, all astronauts will receive training in the scientific experiments they conduct in space.

On launch day, Mission Control will countdown and your crew will hear the roar of the engines as the shuttle makes its way into orbit. As the engines fall quiet to the vacuum of space, the crew will prepare to dock with the ISS. There the crew will enter the many modules of the largest orbiting outpost ever constructed.

Now the mission really starts! While some astronauts are completing ground-breaking experiments, others might power up and monitor vital life support systems. At the same time, some astronauts may work in the hydroponics lab or suit up for a spacewalk. Mission Control is in constant contact, ready to alert the crew to new problems or finding solutions to anomalies that may occur. The entire mission is truly a team effort of which you can be a valuable part!

When the shuttle lands, the entire crew will celebrate! And you will continue in your astronaut training which will include more astronaut simulators, more teambuilding and Space Station science. *SPACE CAMP wants you on its team!*

Established in 1965 by the State of Alabama, empowered by the U.S. Congress and supported by the National Aeronautics and Space Administration, the U.S. Space & Rocket Center® is the nation's leading hands-on space science museum. Since 1982, the U.S. Space & Rocket Center has fostered national and international outreach programs through the U.S. SPACE CAMP®, SPACE ACADEMY® (1984), ADVANCED SPACE ACADEMY® (1997) and AVIATION CHALLENGE® (1990) programs and through creation of the U.S. Space Camp Foundation (1987), a non-profit, educational organization. U.S. SPACE CAMP®, U.S. SPACE ACADEMY®, SPACE CAMP®, SPACE ACADEMY®, ADVANCED SPACE ACADEMY®, AVIATION CHALLENGE® and SPACE GEAR® are registered trademarks and service marks of the U.S. Space & Rocket Center. All rights reserved. Entire contents copyrighted © 2003 Alabama Space Science Exhibit Commission. No reproduction of photographs permitted without written permission. Program material may be excerpted for news media coverage without permission. The U.S. Space & Rocket Center and U.S. Space Camp Foundation do not discriminate on the basis of race, color, national origin, sex, religion, age, citizenship, physical or mental disability, or status as a disabled veteran or veteran of the Vietnam era, or any other reason prohibited by law in employment or the provision of services.



# 2003-2004 YOUTH APPLICATION FORM

2003-2004 YOUTH APPLICATION • NAME

When reserving by phone, complete this application and note your confirmed session date and account number:

**Session Date:** \_\_\_\_\_ **Account #:** \_\_\_\_\_ **IMPORTANT:** Incomplete applications delay registration and may result in missing desired session date. If paying by credit card, make sure credit card information is complete. If paying by check or money order, please make sure full payment is enclosed. Please make photocopies of all documents before sending. **Send completed application with full payment to:**  
**U.S. SPACE CAMP RESERVATIONS, P.O. BOX 070015, HUNTSVILLE, AL 35807-7015** Phone: 1-800-637-7223 • Fax: 256-890-3369 • www.spacecamp.com

**CHECK PROGRAM:**

**SPACE CAMP**  Space & Aviation Track (offered year round.)  
 Space Only Track (offered year round.)  
 Robotics Track (Available for sessions Sept-May)

**PARENT/CHILD SPACE CAMP**

**SPACE ACADEMY** Please select track option:  
 Indicate 1st and 2nd choice: Robotics \_\_\_\_\_ Space \_\_\_\_\_ Aviation \_\_\_\_\_

**ADVANCED SPACE ACADEMY** Please select track option:  
 Indicate 1st and 2nd choice: Pilot \_\_\_\_\_ Mission Specialist \_\_\_\_\_

**AVIATION CHALLENGE MACH I**  Thunderbird Track  
 Blue Angels Track

**AVIATION CHALLENGE MACH II**

**AVIATION CHALLENGE MACH III**

**PARENT/CHILD AVIATION CHALLENGE**

**APPLICANT INFORMATION (PLEASE PRINT)**

Child's Name: \_\_\_\_\_  
 Last First Middle

Adult's Name (if registering for Parent/Child Program): \_\_\_\_\_  
 Last First Middle

Address: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Sex: \_\_\_\_\_ Date of Birth: \_\_\_\_\_  
 Age: (at time of camp) \_\_\_\_\_ Grade currently attending: \_\_\_\_\_  
 Home phone: (\_\_\_\_\_) \_\_\_\_\_  
 Business phone: (\_\_\_\_\_) \_\_\_\_\_  
 Cell phone: (\_\_\_\_\_) \_\_\_\_\_  
 Pager: (\_\_\_\_\_) \_\_\_\_\_  
 Fax: (\_\_\_\_\_) \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

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

Have you talked with one of our account executives? If so, who \_\_\_\_\_

Are you a returning camper? If so, what year(s) \_\_\_\_\_

Parent/Guardian: \_\_\_\_\_  
 Employer: \_\_\_\_\_  
 Work Title: \_\_\_\_\_  
 Emergency contact: \_\_\_\_\_  
 Relationship: \_\_\_\_\_ Phone: \_\_\_\_\_

**\*Individual(s) authorized to sign out trainee during session/after graduation:**  
 \_\_\_\_\_

Name for Name Tag: \_\_\_\_\_

**\*\*Teammate Preference:** \_\_\_\_\_

**SESSION DATE PREFERENCES**

1st choice \_\_\_\_\_  
 2nd choice \_\_\_\_\_

**TUITION:** \$ \_\_\_\_\_

**OPTIONAL CLOTHING: \$80 each**

Size: \_\_\_\_\_ Clothing Set Quantity: \_\_\_\_\_ @ \$ 80 \_\_\_\_\_  
 Size: \_\_\_\_\_ Flight Suit Quantity: \_\_\_\_\_ @ \$ 80 \_\_\_\_\_

**"LIFT OFF" CD — Special Trainee Offer** \$ 24 \_\_\_\_\_

**CLOTHING & "LIFT OFF" CD** \$ 100 \_\_\_\_\_

**TRANSPORTATION FEES: (To and from airport)** \$ 25 \_\_\_\_\_

**EARLY ARRIVAL:** No earlier than the day before camp starts \$ 79 \_\_\_\_\_

**LATE DEPARTURE:** No later than the day after graduation \$ 79 \_\_\_\_\_

**TOTAL** \$ \_\_\_\_\_

Check or Money Order  
 VISA  Mastercard  American Express  Discover

**ACCOUNT NUMBER:**  
 \_\_\_\_\_

**EXPIRATION DATE:** \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Signature Required \_\_\_\_\_

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

Billing Address (if different from above)  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Would you like to give to the SPACE CAMP Mission Center fund?**  
 \$10  \$25  \$50  \$100  Other \$ \_\_\_\_\_

**Would you like to give to the Save the Saturn Campaign?**  
 \$10  \$25  \$50  \$100  Other \$ \_\_\_\_\_

**Would you like to support the Space Camp Endowed Scholarship Program?**  
 \$10  \$25  \$50  \$100  Other \$ \_\_\_\_\_

**FOR OFFICE USE ONLY REGISTRATION STATUS**  
 Session (Date) \_\_\_\_\_ Waiting List \_\_\_\_\_ Transferred \_\_\_\_\_



# FACILITY & REGISTRATION INFORMATION

## AGE/GRADE APPROPRIATENESS

Since opening in 1982, we have gathered a wealth of experience developing and providing curriculum that is age appropriate and grade specific. Reading levels, cognitive learning skills, and emotional maturity are just a few of the factors we have used over the years to develop programs that will not only be fun, but "comfortable" for young people of all backgrounds. For example, we make every effort to arrange teams so that each trainee has an age or grade in common. We know from experience, that a trainee is not going to enjoy our camp if he or she is intimidated by older students, or can't keep up with the intellectual or physical demands of a level higher than what we have designed for them. Please help us achieve the very best experience possible for your child by enrolling him or her in the camp that corresponds with his or her age and/or grade requirements.

## SPACE CAMP

U.S. SPACE CAMP opened in Huntsville, Ala. in 1982; and the AVIATION CHALLENGE program began operation in June 1990. Our facility is an entity of the U.S. Space & Rocket Center® (USSRC), which was established by the State of Alabama in 1972.

The USSRC, U.S. SPACE CAMP and AVIATION CHALLENGE are primarily self sufficient with added support from corporate partners. The USSRC is the official NASA Visitor Center for the Marshall Space Flight Center (MSFC) and receives no direct federal funding for operational support. NASA/MSFC does, however, supply technical assistance and expertise and is a contributor to programs for educators and Title I schools.

## AVIATION CHALLENGE

The Huntsville, Ala. facility is an entity of the U.S. Space & Rocket Center (USSRC), which was established by the State of Alabama. The USSRC and AVIATION CHALLENGE do not receive federal or military funding for operational support.

## COUNSELOR TRAINING AND QUALIFICATIONS

You are entrusting us with your child's security and well-being. Our rigid standards for hiring qualified counselors, as well as training them, have been established to ensure that each trainee enjoys a safe, fun and educational experience. A minimum of two years of college, or equivalent experience, is mandatory for all counselors.

While a significant percentage of our staff are education majors, others have degrees or are pursuing degrees in business, science, math, or the liberal arts. The common thread they all share is they all want to work with children. Many staff members have actually gone through our camp programs as trainees.

Every potential counselor must pass a comprehensive background check, pre-employment attitude test and drug screening prior to employment. Once employed, and before they ever

meet a trainee, all program staff members receive training in the following areas: program facts and history; simulator safety and operation; proper discipline techniques; and age-specific behavioral characteristics.

All counselors are closely supervised and are evaluated weekly at the end of each camp session by their team members. We encourage parents to meet program staff members at registration and graduation.

## SECURITY

Camp supervisory staff and separate uniformed security staff are on site 24 hours-a-day, seven days-a-week when camp is in session to ensure the trainee's safety. At no time are trainees allowed off site, individually or as a group, without an accompanying adult. Off-site trips are limited to those included in the program curriculum. Security of personal items is the camper's responsibility. Do not bring items of high value to camp. Most hallways and common areas are monitored by security cameras.

## SAFETY

The safety of all trainees has always been, and will continue to be, of utmost importance. Counselors, highly trained and certified in the proper use of all simulators, ensure that trainees have a safe and enjoyable experience. (*Note: Space flight simulators may cause motion sickness.*)

Each simulator is built to the highest standards and all equipment is safety-checked daily and maintained by professional technicians. Each enclosed simulator is equipped with smoke detectors and emergency stop buttons. It is mandatory that trainees wear safety helmets when using most of the astronaut training equipment. A minimum height of four feet is required for the simulators used in the program curriculum. Maximum weight for astronaut training simulators is 260 pounds per person.

## MEDICAL STAFFING

Medical staff is on site 24 hours daily for all weeklong youth programs. All medications for weeklong campers (prescription, over-the-counter, vitamins, herbal) are collected during registration and dispensed as directed, by you or the prescribing physician. They must be in their original containers with labels and instructions in English. Trainees requiring injections must provide medications; syringes; and legible, signed instructions from your physician. Medically-related questions may be directed to the Nursing Staff at (256)721-7162.

## SPECIAL NEEDS ACCOMMODATIONS

Every effort is made to accommodate individuals with special needs, including those who are hearing or visually impaired, those with special dietary requirements, or individuals in wheelchairs. To learn more about our capabilities, please call our medical/dietary staff at the numbers listed on page 6. We require advance notice on our health form if trainee is a special-needs attendee.

## HOUSING

SPACE CAMP trainees are housed in the Space Habitat, a futuristic space station mock-up, in individual rooms of up to seven persons, or bays of 20-40 beds. The Habitat complex accommodates 800 people at full capacity, so a certain amount of noise is to be expected.

The Aviation Challenge Hangar houses up to 30 trainees in military-style bays. Counselors are housed with trainees in each bay.

Bed sheets, blanket, pillow and pillowcase are provided. **Towels/washcloths are not provided.** Bring a beach towel for water activities. Each trainee will have an assigned locker. Please bring your own lock. Restrooms are located throughout the complex with access to sinks, private shower stalls and private toilets.

## MEALS

Breakfast, lunch and dinner are provided in a common dining area from the afternoon/evening of arrival up to graduation. At each meal, we offer a variety of foods to appeal to different preferences. Snacks and soft drinks are also available at various sites within the facility at the trainee's expense. We try to accommodate trainees with special dietary requirements. If the requirement exceeds our capabilities, trainees can bring their own food and/or pay the additional cost of meeting those needs. Do not send food to camp with the trainee unless it is to accommodate special dietary needs. We do require advance notice if the trainee will be bringing food for this reason. Call the Dietary Staff at (256) 721-7139.

## HOW TO REGISTER

Reservations are made through our Reservations Center in Huntsville, Ala., or on line at: [www.spacecamp.com](http://www.spacecamp.com). Early registration for summer sessions is encouraged. We offer four (4) ways to register:

- 1. ON LINE** (*credit card purchase only*) Visit our website at: [www.spacecamp.com](http://www.spacecamp.com) ; Click on "Register On Line"
- 2. TELEPHONE** (*credit card purchase only*) Complete the application form located on page 3 of this brochure. Call 1-800-63 SPACE (7-7223). International calls: 1-256-721-7150. Please have completed application form and credit card handy.
- 3. FAX** (*credit card purchase only*) Fax completed application form to 1-256-890-3369. Make sure credit card information is complete.
- 4. MAIL** Complete the application form on page 3 of this brochure and mail with payment (credit card, check, or money order) to:  
**U.S. SPACE CAMP Reservations**  
**P.O. Box 070015**  
**Huntsville, AL 35807-7015**

**IMPORTANT: Incomplete applications delay registration and may result in missing desired session date. Health and Transportation Forms must be received no later than 30 days prior to beginning of session or your registration is subject to cancellation.**

## MULTI-FAMILY DISCOUNT

When more than one child from the same family attends any weeklong program during the same session week, one child will attend at full tuition, and each additional child will receive a 10% discount. This discount cannot be combined with any other discount or promotion.

## SCHOLARSHIPS

**U.S. SPACE CAMP/AVIATION CHALLENGE SCHOLARSHIP PROGRAM:** Scholarships are available to students in fourth through twelfth grades. To be considered for a scholarship, students must submit a current scholarship application form and required accompanying materials. Requests for applications are currently being accepted at 1-800-63 SPACE, however mailing will not begin until October 15, 2003. At that time, applications will also be available online at: [www.spacecamp.com](http://www.spacecamp.com). Completed applications must be postmarked by January 9, 2004 to be considered. All applicants will be notified of results by April 9, 2004.

For more information, write to:

**Scholarship Office  
U.S. SPACE CAMP  
P.O. Box 070015  
Huntsville, AL 35807-7015**

or e-mail: [scholarships@spacecamp.com](mailto:scholarships@spacecamp.com)

**IGA SCHOLARSHIPS:** Reach for the stars with the IGA Scholarship Contest. For the fourth year, IGA® is sponsoring a national scholarship contest to send kids ages 9-11 to U.S. SPACE CAMP®. Winners nationwide will earn a trip to SPACE CAMP, compliments of IGA, Your Hometown Proud Supermarket! So, head to your local participating IGA® Super-market for information on how your child can win a scholarship to SPACE CAMP. Go to [www.iga.com](http://www.iga.com). For more details on this scholarship program click "Promotions." To find the IGA® Supermarket nearest you click "Locator."

## PAYMENT OPTIONS

We offer three (3) options:

- 1. CREDIT CARD:** You may pay by credit card when registering on line, by phone, fax or mail. Be sure to complete all credit card information on application form. We accept: • VISA • MasterCard • Discover • American Express
- 2. CHECK OR MONEY ORDER:** If registering by mail and wish to pay by check or money order, please include the full amount payable to: **U.S. Space & Rocket Center**
- 3. PAYMENT PLAN:** Call 1-800-63 SPACE for details.

## REFUND/CANCELLATION POLICY

In the event you must cancel your reservation, you will receive a refund as defined below:

- Cancellation notice must be submitted in writing.
- Refund will be issued in the same manner payment was made.
- 90% of tuition paid will be refunded if written notice is received no later than four weeks prior to session start date.
- Cancellations received within four weeks of session start date forfeit full tuition.
- Cancellation requests due to illness or accident

prior to the camp session start date require a physician's written verification. Upon receipt of verification, we will issue a full refund.

- Cancellations made within four weeks of camp session start date due to personal reasons, etc. will not receive a refund.
- Trainees who leave during a session **WILL NOT** receive a refund.

*We reserve the right to cancel a session date if participation numbers are not adequate. You may select an alternative session date, or you may request a full refund of tuition paid. Cancellation of sessions will occur a minimum of four weeks prior to session.*

## TRANSFER REQUESTS

All session transfer requests must be received no later than two weeks prior to scheduled session start date. You may request one session transfer at no charge. Each additional transfer will cost \$25.

## CONFIRMATION PACKAGE

After you register and receive an account or confirmation number, several forms **MUST** be completed and returned prior to your arrival at camp.

- TRANSPORTATION FORM
- PHOTO/VIDEO/FILM RELEASE FORM
- HEALTH FORM — Requires a physician or nurse practitioner signature AND parent signature.

**If registering for Advanced Space Academy, (except for Pilot Track trainees) you will also receive the following forms:**

- SCUBA MEDICAL RELEASE/SCUBA WAIVER & RELEASE AGREEMENT
- ALABAMA ADVANCED SPACE ACADEMY UAT FORM. **A physician's signature is mandatory.**

**E-MAIL:** If you provided an e-mail address, we will e-mail you within 24 hours of receipt of your reservation with instructions on how to access the required forms from our web site.

**MAIL:** If you did not provide an e-mail address on your application or to an agent when you registered, we will mail you a confirmation package that will include the required forms.

**Your reservation is not confirmed until all forms are received.**

## TRANSPORTATION FEES

Refer to the Airline Travel section below for important flight booking information. If we are to pick up and/or return the trainee to the airport, we do require a transportation fee. This fee is the same, whether you require roundtrip or one-way transportation. Airport transportation is provided EXCLUSIVELY to and from Huntsville International Airport. We DO NOT pick up from any other airport.

### TRANSPORTATION FEE:

Huntsville International Airport ..... \$25

## AIRLINE TRAVEL

**Do not make your airline reservations until you have a confirmed session date.**



**DELTA AIR LINES:** Delta Air Lines, the Official Airline of U.S. SPACE CAMP and AVIATION CHALLENGE, now offers special discounts which include 5% discounts off published fares and

10% discounts off full fares (excludes I/U and T fares). An additional 5% discount is available for tickets purchased more than 60 days in advance, and special flat zone fares with no Saturday night stay. Seats are limited, restrictions apply. For more information or to make flight reservations, call toll free 1-800-241-6760, and reference DMN199123A.

## UNACCOMPANIED MINOR (UM) SERVICE

With many recent changes regarding unaccompanied minor services within the airline industry, please check with a Delta Air Lines representative or your travel agent for more information. Please note: If you book with Delta Air Lines by calling the number above, you may get the UM service return fee waived.

## ARRIVAL AT CAMP

Trainees arriving via air are greeted at the airport by uniformed and badged camp personnel with photo identification, and transported by bus or van directly to SPACE CAMP and AVIATION CHALLENGE. Staff members collect airline tickets and re-confirm return flights. Upon check-in at camp, youth attendees are encouraged to call home to let parents/guardians know they arrived safely.

## EARLY ARRIVAL/LATE DEPARTURE PROGRAM

**(Not available for Adult, Parent/Child or Pilot/Copilot Programs)**

If the attendee's travel schedule requires arrival any time on the Saturday before camp starts, or at any time Saturday after camp ends, a planned and supervised program — including all meals and lodging, is available for an additional \$79 per day. In many cases, arriving on the Saturday prior to a camp session beginning on Sunday can significantly reduce airfare cost. (Be sure to check with a Delta Air Lines or an airline of choice representative to obtain the best rate.)

Arrival should be scheduled no earlier than 2 p.m. the day prior to session start date. Departure should be scheduled no later than noon the day after graduation.

## MERCHANDISE

Optional flight suits, clothing and SPACE CAMP "LIFT OFF" CD are available for SPACE CAMP and AVIATION CHALLENGE programs.

If you order any of these items, your child will receive it while at camp.

## SPENDING MONEY

We strongly recommend all trainees attending youth programs bring spending money in the form of Travellers Checks, in denominations of \$10.00 and \$20.00. U.S. SPACE CAMP and AVIATION CHALLENGE assume no liability for lost cash or other items.

## CAMP CHECK-IN

Check-in takes place on site on the first session day. We strongly recommend that each trainee hand-carry a copy of all completed forms.

## VISITING THE TRAINEE

We understand you will miss your child while he or she is attending camp. However, we discourage visits while camp is in session, so that your child may have a true "away-from-home" experience. We do encourage parents to attend graduation ceremonies and will make special arrangements for visitation in case of family emergencies. **During registration, parents must designate who is authorized to visit or pick up the trainee. Proper identification is required at time of visit or pickup.**

## TELEPHONE CALLS & E-MAILS

Trainees cannot receive personal phone calls or e-mails unless it is an emergency. Schedule permitting, your child will have the opportunity to call home during the day until 9 p.m. via collect call, pay phone or calling card. Calls after 9 p.m. are discouraged, but can be arranged if necessary. You may not hear from your child every day.

Make sure he/she has phone numbers where family members can be reached at all times. Also make sure he/she knows how to call collect or use an MCI calling card.

Our facility is TDD/TTY accessible for the hearing impaired.

## GRADUATION

A formal graduation ceremony is held the last day of camp. Family members are invited.

## CAMP PHONE LISTINGS

### SPACE CAMP OR AVIATION CHALLENGE

24-Hour Operator	(256) 837-3400
Fax	(256) 890-3369
Medical Staff	(256) 721-7162
Dietary Staff	(256) 721-7139

## ACKNOWLEDGEMENTS:

**NASA:** U.S. SPACE CAMP gratefully acknowledges the continuing support of NASA and Marshall Space Flight Center in our educational programs.

**HUNTSVILLE MARRIOTT:** The Huntsville Marriott, located on the grounds of the U.S. Space & Rocket Center in Huntsville, Ala., is pleased to welcome and offer a graduation rate of \$99\* plus tax, any day of the week.

\*Weekend rates apply for Friday & Saturday. Based on availability. Call 1-888-299-5174.

# PROGRAMS

## SPACE CAMP®

**AGES: 9-11**

*(Nine-year-olds must currently be attending or have completed 4th grade.)*

### ASTRONAUT TRAINING

Training starts with everything campers will need to know about Space Shuttle Systems. Next, they will see what life would be like aboard the Orbiter and Space Station. Trainees will try out space food, learn to sleep in space and even how to go to the bathroom in space!

Astronaut training will continue on the Multi-Axis trainer that spins campers all around, just like the Mercury Astronauts. They will take a turn on the 5-Degrees of Freedom Chair (it's like a floating chair on air) just like the Gemini astronauts experienced. Next, they will train like Apollo astronauts did for their trip to the moon by taking a walk in the 1/6<sup>th</sup> Gravity Chair! And finally, trainees strap on our own version of a jet pack—an MMU, that's NASA talk for a Manned Maneuvering Unit—and maneuver around on a cushion of air. Trainees will take time off from a busy training schedule for water activities, but not too much, because it's off to rocket construction to build and launch their own one-stage model rocket.

### COUNTDOWN BEGINS!

As the Mission Control Crew watches the countdown clock and their computer screen, the Flight Crew straps into the shuttle cockpit and prepares for blastoff. The countdown continues ...7, 6 main engine ignition ...5, 4, 3, 2, 1 booster ignition and lift off! While the commander and pilot enter data and watch the gauges, the Mission Control Crew keeps everything going smoothly.

Once in orbit, mission specialists change into their spacesuits and go out into space to begin their work outside the orbiter; while conducting scientific experiments in the orbiter's mid-deck.

As the mission wraps up, Mission Control Crew gives the go ahead for the orbiter to head home. The Crew cheers and applauds as the Orbiter returns to Earth.

### SPACE or AVIATION TRACK

Tracks are limited and booked on a first-come, first-served basis. Wait lists for tracks are not available.

**SPACE TRACK OPTION:** More space training. Trainees assume a new role and experience another area during their second Space Shuttle mission to the International



Space Station when they choose the new **Space Track**.

Trainees will go through extensive Mars training to prepare for interplanetary travel. First, they will learn about the planet, its soil, geology, climate and atmosphere. They will receive crew assignments, and then they are ready to go!

Once the trainee and crew arrive, they will settle into their new home — Mars Outpost-Alpha Station — and they will begin to complete their mission assignments as they explore the surface of Mars. Trainees and teammates will conduct experiments on the soil and rocks collected, as well as keeping everything on board the Mars Outpost running smoothly. Once the mission is complete, it is time to head home to Earth.

**AVIATION TRACK OPTION:** Learning the basics of flight dynamics, wilderness survival and teamwork, your child will experience some of the same training all fighter and test pilots go through.

In the new **Aviation Track** trainees will spend time in our high-performance jet fighter simulators learning how to put their jet through its paces. We will prepare trainees on land and in water for any challenge that might come their way, just like a real fighter or test pilot. In the water, we'll prepare them to survive any emergency they may encounter; and on land, to survive in the wilderness. They will learn to build shelters with expedient materials, identify edible foods and find water.

**What makes an airplane fly?** We'll teach trainees the principles of flight, not in the classroom, but standing next to the real thing! So whether "space is your place" or the "mystery of flight" is where your curiosity lies, SPACE CAMP is for you!

### EXPERIENCE SPACE CAMP

The SPACE CAMP facility is located on the grounds of the U.S. Space and Rocket Center®. The Space and Rocket Center is also the official visitor center for NASA's Marshall Space Flight Center.

During the week, trainees will have guided experiences of everything the Museum has to offer. They will see the first rocket that put an American in space, along with the massive Saturn V rocket that took Americans to the Moon.

Also, trainees will see the capsules the early astronauts lived in during their missions, including seeing up close the actual Apollo 16 capsule. Trainees will climb the highest mountain on Mars on our Martian



Climbing Wall. They'll get an astronaut's eye view of the earth while watching an amazing IMAX® film in our Spacedome Theater. Trainees will also get to feel four G's of lift off force and the sensation of weightlessness on the Space Shot™ simulator.

### **SPECIAL ROBOTICS TRACK AVAILABLE SEPT-MAY**

**In our Robotics Track your child may not be able to build a robot to do their homework, but they will be able to rescue astronauts from the International Space Station!**

During the SPACE CAMP experience, trainees will spend approximately 10 hours designing and programming a robot using LEGO Mindstorm software and materials to complete a simulated mission to the International Space Station.

In teams of four to five, trainees will work together to create the ultimate robotic rover. They will design the rover using an unlimited array of gears, pulleys, sensors, and other parts and will program the robot to perform tasks at the International Space Station using the latest computer software. They'll be amazed at what their rover can do! Trainees test their creations and compete with other groups to save stranded astronauts and deliver supplies to the space station. ROBOTS ROCK!

### **DISCOUNT**

All participants choosing the two-week option pay only one \$79 fee to cover the two days in between sessions. They also get 10% off their total tuition. This discount cannot be combined with any other discount or promotional offer.

### **4-DAY PROGRAM: \$499 (Available summer sessions only)**

This option is great for families spending the week in the Huntsville area, while their child is attending SPACE CAMP.

Trainees will arrive on Sunday afternoon and graduate on Thursday at 9:00 a.m. CT. The time in between will be filled with an action packed week of astronaut training. Trainees will participate in one Shuttle Mission, build rockets, sample space food and conduct experiments in our Hydroponics Laboratory. They can take a walk on the moon in the 1/6<sup>th</sup> Gravity Chair and see what our Museum has to offer.



# **AVIATION CHALLENGE® MACH I**



**AGES: 9-11**

*(Nine-year-olds must currently be attending or have completed the 4th grade.)*

### **FLIGHT TRAINING**

MACH I is non-stop aviation excitement. Trainees master a high-performance jet fighter and learn the basics of flight dynamics, wilderness survival and teamwork. They will experience the same training all fighter and test pilots go through.

### **AVIATION CHALLENGE offers two MACH I track options:**

- Sign up for the **Thunderbird Track** and join the U.S. Air Force team, where trainees learn to fly the USAF F-15 Strike Eagle! Then get ready for the Air Force vs. Navy competition. Who will rule the skies?
- Check six! Here comes the U.S. Navy/Marine Corp team! The **Blue Angel Track** puts trainees in the cockpit of the Navy's best fighter, the F/A-18 Super Hornet. Then it's "Tallyho" and "fight's on!" Hornet vs. Eagle, where skill in the sky will decide the day. Track options are booked on a first-come, first-served basis. Wait lists are not available.

Does your child have Air Force blue or Navy gold flowing through their veins? If so, AVIATION CHALLENGE MACH I is the place for them! Trainees learn to fly the same fighter jets American pilots use to rule the skies. They will spend seven missions in the cockpit learning how to put their jet through its paces. From brief to debrief, each mission is jam-packed with high-performance fun.

Your kids will find out if they have the right stuff when they pit their skills against their teammates and advance to the TOPGUN finals where the best meet the best. Only one can emerge victorious.

### **LAND & WATER SURVIVAL**

Trainees will learn to be survivors after they complete AVIATION CHALLENGE Survival Training. They will get the same survival training real fighter pilots receive. In water and on land, we will prepare them to succeed in any "SURVIVOR" challenge. On land, they'll learn to build shelters with only the material a fighter pilot would have if he or she had to eject from their aircraft.

**What about water?** We'll tell trainees where to find it and how to make sure it's safe to drink. How about food? Animal or plant, poisonous or not, trainees will know all the answers necessary to survive off the land.

Our survival course was created by Sergeant Major Jerry Gleason. Descended from Oglala Sioux ancestry, and a highly-decorated Green Beret, SGM Gleason was one of the Army's chief survival instructors when he retired.

### **SECRETS OF FLIGHT**

At AVIATION CHALLENGE, trainees will learn all the secrets of flight. What makes an airplane fly? We can show them. We won't teach them in a classroom, but standing next to the real thing.

In celebration of the 100<sup>th</sup> Anniversary of Flight, AVIATION CHALLENGE introduces *AVIATION PIONEERS*. From our first "small steps" at Kitty Hawk to our "giant leap" to the moon, trainees take a journey through 100 years of aviation. The journey begins with an unforgettable IMAX® movie visual experience and continues with a week of activities where they'll learn about the men and women who blazed the path of our aviation history.

MACH I is the ultimate aviation experience. From the biggest and baddest high-performance jet simulator available to kids today — to the most realistic survival training around — we promise your child an unforgettable experience.

### **4-DAY PROGRAM: \$499 (Available summer sessions only)**

This option is great for families spending the week in the Huntsville area, while their child is attending AVIATION CHALLENGE. Trainees will arrive on Sunday afternoon and graduate at 9 a.m. CT Thursday. The time in between will be spent doing their best impression of a veteran fighter pilot. Through the rigors of land and water survival training, to the pursuit of the coveted TOPGUN title, they'll receive the ultimate test.



## **SPACE ACADEMY®**

**AGES: 12-14**

### **MISSION TO THE ISS**

Can you survive a trip to space and back? Get ready to blast off to the International Space Station (ISS)! Wait, before you can be launched aboard the Shuttle to the Station, you must go through astronaut qualification training that will prepare you for your space adventure.



### **ASTRONAUT TRAINING**

Trainees will go through astronaut training on the Multi-axis Trainer that spins them all around, just like the Mercury astronauts.

They'll train like Apollo astronauts did for their trip to the Moon by taking a walk in the 1/6<sup>th</sup> Gravity Chair! And finally, they'll strap on our own version of a jet backpack – an MMU, that's NASA talk for a Manned Maneuvering Unit – and maneuver all around on a cushion of air.

Trainees also go through all the required training to live aboard the Shuttle. They will sample space food, learn how to sleep in space and even how to go to the bathroom in space!

Trainees can take some time off from a busy training schedule for water activities, but not too much...it's time for rocket construction. Trainees will experience the excitement of a rocket launch by building and launching their own rocket.

### **BEAM ME UP! SPACE STATION SCIENCE**

While training, campers can try their hand at some of the same scientific experiments being conducted on the International Space Station.

### **SPACE SHUTTLE & SPACE STATION MISSIONS**

All SPACE ACADEMY trainees will put their skills and teamwork to the test in a two-hour Space Shuttle mission after they receive their mission assignments and training. Trainees and their teammates will be divided into three crews.

**Mission Control Center crew members** will monitor all situations and command the mission from the ground. With intense training in computer and communications systems, they will be responsible for the ultimate safety of the mission. What if the Space Shuttle veers off course? What if the Station loses power? Mission Control should be ready to solve any problem.

The **Space Shuttle crew** will be trained in one of two areas on the shuttle.

- Pilots and Commanders will learn all the switches and displays in the cockpit that operate the Shuttle and its propulsion systems.
- Mission Specialists will learn about space suits and walking in space on an EVA (that's NASA talk for an Extra Vehicular Activity). The EVA might be to repair the Hubble Space Telescope, construct part of the Space Station, or deploy a solar panel.

**Space Station crew members** will train on all operations of the Space Station: life support, crew and equipment support systems. The crew will also be trained to perform several scientific experiments that focus on materials science, Earth study, crystal growth, and plant studies. The Space Station crew will also be trained for emergency procedures and spacewalks.

### **CHOOSE YOUR TRACK!**

**SPACE TRACK:** For more space, more things that are out of this world and a Space Shuttle mission to the International Space Station, choose the Space Track.

SPACE ACADEMY trainees in the Space Track have the opportunity to complete a second Space Shuttle/Space Station Mission as a member of a different crew (Mission Control, Space Shuttle or Space Station).

Before the mission, they will discover more about space and science than any other track. Trainees in the Space Track will conduct the same types of experiments that are performed on the International Space Station in the laboratory, and then design their own space stations in the computer lab. They will find out how to locate the ISS and other objects of interest in the night sky. They may even get to see them.

Now are you ready for the ultimate challenge? Show you have what it takes in the Space Shuttle Mission Competition.

**ROBOTICS TRACK:** In our Robotics Track your child may not be able to build a robot to do their homework, but they will be able to rescue astronauts from the International Space Station!

During the SPACE CAMP experience trainees will spend approximately 10 hours designing and programming a robot using LEGO Mindstorm software and materials to complete a simulated mission to the International Space Station.

In teams of four to five, trainees will work together to create the ultimate robotic rover. They will design the rover using an unlimited array of gears, pulleys, sensors, and other parts and will program the robot to perform tasks at the International Space Station using the latest computer software.

They will be amazed at what their rover can do! Trainees test their creations and compete with other groups to save stranded astronauts and deliver supplies to the space station. ROBOTS ROCK!

**AVIATION TRACK OPTION:** Learning the basics of flight dynamics, wilderness survival and teamwork, your child will experience some of the same training all fighter and test pilots go through.

In the new **Aviation Track** trainees will spend time in our high-performance jet fighter simulators learning how to put their jet through its paces. We will prepare trainees on land and in water for any challenge that might come their way, just like a real fighter or test pilot. In the water, we'll prepare them to survive any emergency they may encounter; and on land, to survive in the wilderness. They will learn to build shelters with expedient materials, identify edible

foods and find water.

**What makes an airplane fly?** We'll teach trainees the principles of flight, not in the classroom, but standing next to the real thing! So whether "space is your place" or the "mystery of flight" is where your curiosity lies, SPACE ACADEMY is for you!

### **TWO-WEEK OPTION**

Five days is not enough? How about two weeks!

Trainees ages 12-14 can pair their SPACE ACADEMY and AVIATION CHALLENGE MACH II. Upon completing SPACE ACADEMY, trainees age 14 have the option of attending either AVIATION CHALLENGE MACH II or ADVANCED SPACE ACADEMY.

Most career astronauts are former aviators. Trainees go through MACH II and earn their aviator wings just like the astronauts do — then they'll be ready to command the Space Shuttle.

Please refer to the MACH II section for specific program details.

### **DISCOUNT**

All participants choosing the two-week option pay only one \$79 fee to cover the two days in between sessions. They also get 10% off their total tuition. This discount cannot be combined with any other discount or promotional offer.



## **AVIATION CHALLENGE<sup>®</sup> MACH II**



**AGES: 12-14**

**It takes a special person to fly high-performance jets. If you are cool under pressure, extremely focused, intelligent and confident in your abilities to get the job done, then we've got the program for you — MACH II. Don't just dream about being a fighter pilot, learn how to become one at AVIATION CHALLENGE.**

### **FLIGHT TRAINING**

**Are you the smartest kid in class? Maybe the fastest person on the track team?** Well, strap into the Navy's F/A-18 Super Hornet and see how you do in a dogfight at 10,000 feet. That's right, "Strap on the jet," it's time to fly! Get ready for the most fun you can have in a three-dimensional environment. At AVIATION CHALLENGE, trainees get to exercise a high-performance fighter jet the way it's meant to be done. Seven sessions of high-performance jet simulations await them. This is no video game. Trainees step into the



cockpit and learn the basics of air-to-air and air-to-ground fighter tactics. "TOPGUN" competition is just a few days away, so make every second count!

**Will you be able to tell your friends you mastered the most keenly fought competition at AVIATION CHALLENGE and emerged victorious? Maybe all you'll have to do is show them the "TOPGUN" patch on your jacket.**

### SEARCH, RESCUE & SURVIVAL

**The nation's most secret spy plane is missing and feared down behind enemy lines.** Here's your chance to feel what it's like to be a real NAVY SEAL. Your team will be tasked with finding the downed aircraft, recovering all TOP SECRET documents and rescuing the pilot without getting caught by Aggressor Forces! You'll need all your training to succeed!

### SURVIVAL TRAINING

Survival training at AVIATION CHALLENGE is REAL. Our course is designed by Sergeant Major Jerry Gleason. A highly decorated combat veteran, SGM Gleason was the U.S. Army's number one survival expert when he retired. They'll learn critical life saving skills in this "real world" course. On land, they'll learn about shelters, food and water procurement, field first aid, fire craft and safety. In the water, they'll learn drown-proofing skills and how to make expedient flotation devices out of ordinary objects like pants and shirts. We cover it all in AVIATION CHALLENGE Survival Training and we'll put them to the test.

### ABOUT AVIATION

We're all about aviation and if your child is too, AVIATION CHALLENGE is the place for him or her. Not many kids can say they've seen — up close and personal — the two primary aviation combatants used in Vietnam. Your child can at AVIATION CHALLENGE. They'll see the F-4 PHANTOM and the MIG-17 FRESCO and learn the secret behind the birth of the Navy's TOPGUN school. They'll learn about aviation in the best aviation classroom in the world, a cockpit.

If aviation history is your child's thing, we've got that covered too. They'll learn about the Red Baron, or Amelia Earhart, Chuck Yeager, or Jackie Cochran (the first woman to break the sound barrier).

In celebration of the 100<sup>th</sup> Anniversary of Flight, AVIATION CHALLENGE introduces Aviation Pioneers. From our first "small steps" at Kitty Hawk to our "giant leap" to the moon, trainees will journey through over 100 years of aviation. They'll begin their journey with an unforgettable IMAX® movie visual experience and continue with a week of activities and learning about the men and women who blazed the path of our aviation history.

If your child loves aviation, AVIATION CHALLENGE is a learning experience he or she will never forget. From the pursuit of the coveted "TOPGUN" title, to the deepest recesses of our wilderness survival training areas, they'll find out what they're made of.

**ACCEPT THE CHALLENGE, SHOW US WHAT YOU'VE GOT!**

### BOY SCOUT MERIT BADGES

**Space Exploration Merit Badge:** Scouts attending SPACE CAMP, SPACE ACADEMY and ADVANCED SPACE ACADEMY will complete all requirements for the Space Exploration Merit Badge and must bring a blue merit badge card to camp to turn in at check-in. This is offered for every session.

**Aviation Merit Badge:** Scouts attending all AVIATION CHALLENGE programs will complete all requirements for the Aviation Merit Badge. This is offered every session throughout the year. Scouts must bring a blue merit badge card to camp and turn this in at check-in.

**Wilderness Survival Merit Badge:** Scouts attending the Mach II and Mach III programs in AVIATION CHALLENGE during summer sessions will complete all requirements for the Wilderness Survival Merit Badge. Scouts must bring a blue merit badge card to camp and turn this in at check-in.

**Orienteering, First-Aid & Fire Safety Merit Badges:** AVIATION CHALLENGE also offers partial completion of the Orienteering, First-Aid and Fire Safety Merit Badges. Scouts attending AVIATION CHALLENGE will receive a form letter.

Scouts attending AVIATION CHALLENGE will receive a form letter indicating which requirements have been completed for each of these merit badges.

*\*Weather dependent*

### TWO WEEK OPTION

Five days is not enough? How about two weeks! Trainees can now pair MACH II training with SPACE ACADEMY training. Upon completing AVIATION CHALLENGE MACH II, trainees age 14 have the option of attending either SPACE ACADEMY or AVIATION CHALLENGE MACH III. Numerous career aviators go on to become astronauts. Trainees go through SPACE ACADEMY and earn your astronaut wings just like aviators do. Please refer to the SPACE ACADEMY section on page 8 for specific program details.

### DISCOUNT

All participants choosing the two-week option pay only one \$79 fee to cover the two days in between sessions. They also get 10% off their total tuition. This discount cannot be combined with any other discount or promotional offer.



## ADVANCED SPACE ACADEMY®

AGES: 15-18

**SERIOUS SPACE, SERIOUS FUN**

**If you're thinking about a high-tech career, you'll love Advanced SPACE ACADEMY®.**



During this weeklong program, trainees get hands-on training, as well as learn about the mental, emotional and physical demands astronauts must face.

Advanced SPACE ACADEMY offers trainees the opportunity to focus on their field of interest: Pilot or Mission Specialist. When registering, specify your area of interest.

### CHOOSE YOUR TRACK

**PILOT TRACK\*:** Do you have the right stuff to pilot the Shuttle Orbiter into space, or command a crew on the International Space Station? Sign up for the pilot track and test your skills!

Shuttle Pilots need flight time – get yours on our simulators! Then team up with the other pilots on your team to test your navigation skills.

**Can you keep your cool?** Pilot Track trainees are responsible for the safety of their crew in space – and things can get pretty hectic! On the Shuttle, there are checklists to complete and split-second decisions to make, all while monitoring the activities of your crew. On our newly expanded Space Station simulator, you'll need to keep the crew and the Space Station on track while conducting your own experiments – just like the current Space Station astronauts and cosmonauts.

*(\*Note: Pilot Track trainees do not SCUBA dive)*

**MISSION SPECIALIST TRACK:** Ready for space? You'll need to know a bit about the engineering of the Shuttle and Space Station – just in case something needs a quick repair.

On the Mission Specialist track, we'll give you some aeronautical engineering basics to get you started. Then you'll take a spin in our Underwater Astronaut Trainer to get the feel for spacewalking.

**\*\*Note:** SCUBA training in the UAT requires medical clearance. See the SCUBA Health form for more information.

During missions, you will participate in Space Station science and make any needed repairs to your vehicle or satellites on an EVA. In Mission Control, help the back-room Tiger Team recreate anomalies (that's space talk for problems) and solve them in time to save the mission!

## ADVANCED ACADEMY MISSION PARTICULARS:

In orbit, you may be as little as 200 miles away from home – but it's a very long 200 miles! In your simulated Space Station missions, you will rely on the supplies you have with you – plus the combined knowledge of your team – to solve any problems that may come up. As a team, you'll be given some basic training in emergency procedures and space-specific medical considerations. During your mission, you'll face all the challenges of extended spaceflight – packed into a few hours.

Can't get enough? Want to see what it's REALLY like to live on the Space Station? Ask about our special super-extended missions available during selected weeks in 2004!

**ADVANCED SPACE ACADEMY**® offers in-depth SCUBA training for Mission Specialist track trainees (for EVA simulation). Trainees will quickly learn the importance of teamwork as they embark on their missions.

**Note:** Pilot track trainees do not participate in scuba training. **IMPORTANT: Certain medical conditions may prohibit trainee from diving.**

To prepare for the future, you need to develop leadership abilities, which is why **Advanced SPACE ACADEMY** offers leadership training to help prepare you for challenging Shuttle missions.

As part of this training, trainees visit our special, top-secret "Area 51." Of course, **Advanced SPACE ACADEMY** is more than problem solving, high-tech tours and leadership training. Your child will also have fun experiencing four G's of lift-off force and actual weightlessness on our **SPACE SHOT**™ simulator.

In addition, they get a realistic feel for living and working in space by watching **IMAX**® movies like "SPACE STATION" in our Spacedome Theater.

### TWO-WEEK OPTION

**Six days not enough? How about two weeks!** Trainees can pair their **Advanced SPACE ACADEMY** training with **AVIATION CHALLENGE MACH III**. (Refer to **MACH III** for program details.)

Most career astronauts are former aviators. **Go though MACH III and earn your aviator wings just like astronauts do, and then you'll really be ready to command the Space Shuttle.**

### DISCOUNT

All participants choosing the two-week option for **MACH III** and **Advanced SPACE ACADEMY** will have the in-between late departure fee waived, and receive 10% off the total tuition.



## AVIATION CHALLENGE® MACH III



**AGES: 15-18**

**It's the ultimate rush! Are you up to the challenge? You'll be better prepared after seven hours aboard a supersonic jet fighter simulator.** **MACH III** is a program designed for people who want to take their interest in jet fighters to (literally) a higher level. In addition to learning the fundamentals of flying, trainees progress through increasingly sophisticated simulator missions, which will put their skills to the ultimate test. But **MACH III** is more than just simulator training. It's also about teamwork, when trainees and their squadron mates work together to be top aviators. **AVIATION CHALLENGE** puts them one step closer to their dream of flying.

### FLIGHT SIMULATORS & COMPETITION

Trainees practice basic flight maneuvers and then progress to advanced combat missions in our F-15 Eagle simulators. The realism of our state-of-the-art simulation and high-resolution graphics will take their breath away! This is no video game!

"Tally-ho" and "Fight's on." Trainees see how many air-to-air victories they can score over their opponents. Then, they prepare for the ultimate competition, **RED FLAG**. This event combines flight, land and water survival, and escape and evasion (E&E) tactics. A trainee's individual talents, as well as those of his or her teammates, are reflected in this realistic exercise.

Maybe they'll make the "TEST PILOT" cut and qualify to take their shot at landing the Space Shuttle. There's only one way to find out, **AVIATION CHALLENGE**.

### LAND & WATER SURVIVAL

**Take a deep breath. You're about to slide 100 feet down the "zipline" in a simulated parachute splash down, or survive a crash at sea in the "Helo Dunker." Can you maintain your cool and survive?**

Trainees will experience it all at the **Aviation Challenge Water Survival** facility. They'll spend time outside learning wilderness survival just like real fighter pilots — or feel what it's like to be on a **NAVY SEAL** team — with everything on the line. Whatever the challenge, they'll be put to the ultimate test!

### PRINCIPLES OF FLIGHT

Mission planning and execution are not complete without understanding the principles of flight, including aeronautics, aerodynamics, jet propulsion, aviation history, flight physiology and more. At **Mach III**,

trainees will learn these principles first hand. They learn what it's like to experience a high "G" turn in the "Fuge" and how their 'senses can lie' when they ride the "Barney Chair."

At **AVIATION CHALLENGE**, trainees are surrounded with actual jet aircraft like the F-14 Tomcat, F-16 Fighting Falcon, F-4 Phantom, AV-8 Harrier, MIG-17 Fresco and SR-71 Blackbird. They'll see the power and beauty of these machines up close and listen carefully as their instructor provides them with the intricate details about the critical design concept of each aircraft.

### SCOUT QUALIFICATIONS

Boy Scouts will earn full credit for their **Aviation and Wilderness Survival\*** Merit Badges, as well as partial credit for **First Aid, Fire Safety and Orienteering.**

*\*Weather dependent.*

### TWO WEEK OPTION

**Six days not enough? How about two weeks?** Trainees can now pair their **MACH III** training with **Advanced SPACE ACADEMY**. Numerous career aviators go on to become astronauts. They'll go through **Advanced SPACE ACADEMY** and earn their astronaut wings. Refer to the **Advanced SPACE ACADEMY** section on page 9 for specific program details.

### DISCOUNT

All participants choosing the two-week option for **Mach III** and **Advanced SPACE ACADEMY** will have the in-between late departure fee waived, and receive 10% off the total tuition.



## Parent/Child SPACE CAMP®



**3-DAY PROGRAM (Fri, Sat & Sun)**  
**PAIRS ONLY: 1 Adult/1 Child\* age 7-12**

*\*Minimum second grade reading level recommended.*

### WHAT IS PARENT/CHILD SPACE CAMP?

**Parent/Child** is a program designed to give both of you an overview of space exploration, while experiencing very real space simulations. **Parent/Child SPACE CAMP®** is a weekend for just the two of you, providing the opportunity to become partners in learning.

**5...4...3...2...1 and lift-off!** Watch the rocket that you and your child built together soar. Share the pride that your child will feel while maneuvering the orbiter through space. What better way to build a lasting relationship than through **Parent/Child SPACE CAMP?**

### WALK ON THE MOON

It's just one of the simulations you and your child will experience at **Parent/Child**

SPACE CAMP. The 1/6th Gravity Trainer simulates a walk on the moon's surface. Experience the Manned Maneuvering Unit (MMU), similar to those used by Shuttle astronauts to maneuver in space. There's also the 5 Degrees of Freedom Trainer that simulates movements in microgravity.

### MISSIONS

Astronaut training would be incomplete without a mission in space. Work side-by-side as you and your youngster do everything together. Maybe she'll be the commander while you're the pilot, or perhaps he'll be flight director while you're in charge of communications. Self-confidence grows by the hour, as you work together to accomplish your goals. Our missions are as close to the real thing as we can make them, yet appropriate for ages 7-11.

### MORE FUN & LEARNING

Our Parent/Child program is a weekend of nonstop activities. Together, you will explore the history — present and future — of space flight and experience the sensations of real Shuttle launches from giant-screen IMAX® movies showing Shuttle astronauts performing missions in space. Participants also receive a take-home packet of exciting activities to explore scientific concepts at home.

Tuition includes meals, educational programs and materials, accommodations and T-shirts for both of you. **Parents and children of different sexes will be housed together.**

### SESSION DATES

Camp sessions are offered Friday-Sunday. Session dates may be found on the back cover. Check-in and graduation times are listed on our website: [www.spacecamp.com](http://www.spacecamp.com)

Please check our website frequently prior to your camp session for up-to-date check-in and graduation information.

### TUITION

**\$349 per person (\$698/pair)**  
**REGISTER TODAY!** Call 1-800-63 SPACE.



## Parent/Child Plus SPACE CAMP®

**3-DAY PROGRAM (Fri, Sat & Sun)**  
**For Kids Age 7-12 & Family Members**

### TUITION

**Parent/Child SPACE CAMP: \$698**

(One Parent/One Child)

**Parent/Child Plus 1: \$898**

(One Additional Family Member)

**Parent/Child Plus 2: \$998**

(Two Additional Family Members)



## Parent/Child AVIATION CHALLENGE®



**3-DAY PROGRAM (Fri, Sat & Sun)**  
**PAIRS ONLY: 1 Adult/1 Child\* age 7-12**

*\*Minimum second grade reading level recommended.*

### ABOUT THE PROGRAM

At AVIATION CHALLENGE, we don't just talk about "quality time," we practice it! Our Parent/Child AVIATION CHALLENGE program — an adult/child program — offers the perfect setting for you and your child to get away and do something really special together.

Maybe you've been on the road a lot and are looking for a good way to reconnect with your son or daughter. Or maybe you want to share your love of aviation with him or her and just have a great time. Whatever the reason, Parent/Child AVIATION CHALLENGE will bring you together in ways you haven't yet discovered.

### TRAIN TOGETHER

This weekend program combines the fun of simulated jet fighter pilot training, with guided tours of some of the finest flying machines ever built. But there's more. You'll also do missions together, side by side, as teammates.

### EXPERIENCE SURVIVAL TRAINING

Together, you'll practice land and water survival techniques. **Get that fire started.**

**Where's the escape route from the Helo Dunker?** Parent/Child AVIATION CHALLENGE builds confidence by encouraging trainees to try new things, meet new people and overcome challenges in a safe and positive environment. It also gives you the opportunity to be with your son or daughter — sharing, exploring and working together. Quality time doesn't have to be a concept. It's real in our Parent/Child AVIATION CHALLENGE program.

Parent/Child pairs are housed together in the same facility.

### CHECK IN/GRADUATION TIMES & SESSION DATES

Camp sessions are offered Friday-Sunday. Session dates may be found on the back cover. Check-in and graduation times are listed on our website: [www.spacecamp.com](http://www.spacecamp.com)

Please check our website frequently prior to your camp session for up-to-date check-in and graduation information.

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**Register today!** Call 1-800-63 SPACE.



## Parent/Child Plus AVIATION CHALLENGE®



**3-DAY PROGRAM (Fri, Sat & Sun)**  
**For Kids Age 7-12 & Family Members**

*\*Minimum second grade reading level recommended.*

### TUITION

**Parent/Child AVIATION CHALLENGE: \$698**  
(One Parent/One Child)

**Parent/Child Plus 1: \$898** (One Additional Family Member)

**Parent/Child Plus 2: \$998** (Two Additional Family Members)

**Register today!** Call 1-800-63 SPACE.



## SPACE CAMP®/ AVIATION CHALLENGE®

### For Visually-impaired & Hearing-impaired Students

Our SPACE CAMP and AVIATION CHALLENGE programs — specifically designed for blind, visually-impaired, deaf and/or hard-of-hearing attendees — have attracted students from across the United States and from around the world. Over the years, we have worked closely with several organizations, including the Alabama Institute for the Deaf and Blind, the West Virginia Schools for the Deaf and the Blind, and most recently, the Western Pennsylvania School for the Deaf, to develop a meaningful, inspirational experience for these students.

Program highlights may include a presentation by blind and/or deaf NASA professionals on career choices and working in the space industry. Enlarged print, sign language interpreters, attention to mobility hazards and other special considerations are extended to put trainees at ease. Blind students also benefit from the latest technology in the field, including tactile Braille displays and synthetic speech for computers.

For more about SPACE CAMP/AVIATION CHALLENGE programs for hearing-impaired students, contact Amy Newland at (412) 371-7000, or visit: [www.ussrc.com/wpsd/](http://www.ussrc.com/wpsd/)

For details about SPACE CAMP for Visually-impaired Students (SCI-VIS), contact Dan Oates at (304)822-4883, or e-mail: [scivis@charter.net](mailto:scivis@charter.net) Visit SCI-VIS web site at the Texas School for the Blind & Visually Impaired at: [www.tsbvi.edu/space/](http://www.tsbvi.edu/space/)

For session dates, call 1-800-63 SPACE or visit us online at: [www.spacecamp.com](http://www.spacecamp.com)



source code

customer code  
**PG104**

To be removed from our mailing list, please call 1-800-63 SPACE. For employment opportunities, call 256-721-7196.

## 2004 CAMP SESSION DATES

Session	OCTOBER 2003							Session	JANUARY 2004							Session	APRIL 2004							Session	JULY 2004							
	S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S	
1					1	2	3	4	14					1	2	3	27					1	2	3	40					1	2	3
2	5	6	7	8	9	10	11	15	4	5	6	7	8	9	10	28	4	5	6	7	8	9	10	41	4	5	6	7	8	9	10	
3	12	13	14	15	16	17	18	16	11	12	13	14	15	16	17	29	11	12	13	14	15	16	17	42	11	12	13	14	15	16	17	
4	19	20	21	22	23	24	25	17	18	19	20	21	22	23	24	30	18	19	20	21	22	23	24	43	18	19	20	21	22	23	24	
5	26	27	28	29	30	31		18	25	26	27	28	29	30	31	31	25	26	27	28	29	30		44	25	26	27	28	29	30	31	
Session	NOVEMBER 2003							Session	FEBRUARY 2004							Session	MAY 2004							Session	AUGUST 2004							
	S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S	
5							1	19	1	2	3	4	5	6	7	31							1	45	1	2	3	4	5	6	7	
6	2	3	4	5	6	7	8	20	8	9	10	11	12	13	14	32	2	3	4	5	6	7	8	46	8	9	10	11	12	13	14	
7	9	10	11	12	13	14	15	21	15	16	17	18	19	20	21	33	9	10	11	12	13	14	15	47	15	16	17	18	19	20	21	
8	16	17	18	19	20	21	22	22	22	23	24	25	26	27	28	34	16	17	18	19	20	21	22	48	22	23	24	25	26	27	28	
9	23	24	25	26	27	28	29	23	29						35	23	24	25	26	27	28	29	49	29	30	31						
10	30														36	30	31															
Session	DECEMBER 2003							Session	MARCH 2004							Session	JUNE 2004							Session	SEPTEMBER 2004							
	S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S	
10		1	2	3	4	5	6	23		1	2	3	4	5	6	36			1	2	3	4	5	49				1	2	3	4	
11	7	8	9	10	11	12	13	24	7	8	9	10	11	12	13	37	6	7	8	9	10	11	12	50	5	6	7	8	9	10	11	
12	14	15	16	17	18	19	20	25	14	15	16	17	18	19	20	38	13	14	15	16	17	18	19	51	12	13	14	15	16	17	18	
13	21	22	23	24	25	26	27	26	21	22	23	24	25	26	27	39	20	21	22	23	24	25	26	52	19	20	21	22	23	24	25	
14	28	29	30	31				27	28	29	30	31			40	27	28	29	30				26	27	28	29	30	31				

**See our website for CHECK-IN times and GRADUATION SCHEDULE: [www.spacecamp.com](http://www.spacecamp.com)**

NOTE: A minimum height of 48 inches is required for the simulators used in the program curriculum, with the exception of G-Force Accelerator, which requires a minimum height of 50 inches. Maximum weight for simulators is 260 lbs. Closed-toe shoes must be worn on all simulators. Outdoor activities conducted as temperature and weather permit. We reserve the right to cancel a session date if participation numbers are not adequate.