CELEBRATING TWENTY-ONE YEARS OF EXCELLENCE

We Are Very Proud to Announce the 2011 Delaware Aerospace Academy

The Delaware AeroSpace Education Foundation (DASEF) exists to inspire and educate the people of the Delaware Valley in the areas of Science, Technology, Engineering and Mathematics (STEM) through the use of our academies, presentations, professional development, events, and activities and our new Innovation Technology and Exploration Center (ITEC).

Since 1990, the objective of the DAA is to provide hands-on training and experience in aerospace-related activities and fields. Throughout the week, cadets are continually challenged to think, design, solve, build, and work cooperatively. All academies are designed to integrate the study of STEM using Earth and Space education as the unifying framework.

FULL DAY ACADEMIES

1. **Destination Sky and Beyond** (entering 3rd and 4th) features a week of creative problem solving challenges including Powers of Ten, Millions of Stars, planets, space habitats, and rovers. In addition, cadets participate in exciting activities based on the physics of flight, leading to a training flight in the Boeing Simulator.

   Fee: $250

2. **Destination Space** (entering 4th and 5th) features a series of experiments conducted in a space laboratory like NASA’s “White Room”. The results and solutions could have the potential to benefit the human race. Cadets will discover and learn about concepts from ground to space including single-molecule engineering, circuitry, science, weather, and computer training. Plan on constructing and launching a bottle rocket.

   Fee: $250

3. **Destination Flight** (entering 5th and 6th) focuses on an in-depth study of the principles of flight and cutting edge studies of the NASA and USA aerospace programs. Cadets will apply their acquired knowledge as they operate our advanced flight simulation and hovercraft.

   Fee: $250

4. **Destination Orbit** (entering 6th, 7th, and 8th) includes the following areas of study: Space Architecture, Living in Space, Physics of Space, Rocketry, and Planetary Studies. Highlights of the week include a trip to Dover Air Force Base, a presentation by ILC Dover (the manufacturer of NASA’s space suits) and construction of a model rocket that is launched on the final day.

   Fee: $350

HALF DAY ACADEMIES

5. **Destination Ocean** (entering 1st and 2nd) will be held at the Outpost on our site in Smyrna, DE. Children will set out on an imaginative learning voyage where they will observe and explore above and below the ocean. Ships, shells, sea creatures, fish, and some posties will make for an exciting week.

   Morning session: 9 a.m. – 12 p.m.

   Fee: Half Day session $125

6. **Destination Dinosaur** ( entering 2nd and 3rd) will be held at the Outpost on our site in Smyrna, DE. Children will participate in a dinosaur dig in “The Pit”. Bones will be excavated and assembled. Different species of dinosaurs will be studied using creative approaches and activities.

   Afternoon Session: 1 - 4 p.m. • Fee: $125

   Hands-on Learning: In all of the academies, cadet design and build structures such as space and weather stations, spaceships, planes, and airports. Engineering and construction skills are used in all levels. All of the academies focus on cooperative learning, team building activities, and leadership skills.

OVERNIGHT ACADEMIES

7. **Destination Moon** (entering 7th, 8th, and 9th) is an overnight academy held at the University of Delaware. Cadets will enjoy lessons in crystal development, advanced rocketry, remote sensing robots, computer simulation, composite materials, and telescope buildings. Field trips are planned to Dover Air Force Base and the Center for Composite Materials.

   Fee: $550

8. **Destination Mars** (entering 8th, 9th, and 10th) is an overnight academy held at the University of Delaware. During the academy, cadets will conduct Mars-related experiments and take part in a computer simulation. They will assemble a space station underwater, build a magnetic levitation vehicle, construct and launch a rocket made from ATK Tactical Propulsion and Centaur, EBlox, space parts, design a rover, and simulate astronaut training. Cadets hear from experts on Mars and take a field trip to the Iron Hill Park.

   Fee: $350
Other Fee Information
Extended Day Care
8:00 a.m. to 9:00 a.m. and/or 4:00 p.m. to 5:00 p.m.
$45 for AM • $45 for PM • $90 for both every day
For your records, the Tax ID # for DASEF is 51-0325362
Questions on registration, due dates, or scholarships should be mailed to the Academy or call
(302) 834-1978.
Mail application and payments to:
Delaware Aerospace Academy
P.O. Box 125
Bear, DE 19701-0125
Cadets will be randomly assigned to wings unless we are notified before June 1. No exceptions.
Dr. Stephanie M.G. Wright, President of the Delaware AeronSpace Education Foundation heads the staff of the Academy. Talented experts in a cooperative learning experience supplement our excellent staff of teachers and young people. Lessons focus on applied learning through problem solving. Students learn in small groups, emphasizing the teamwork necessary in the real world.
Scholarships
A limited number of need-based scholarships are available upon request. Deadline is 4/30. Scholarships will reduce fees but will be exclusive of the initial $50 application fee.
No refunds after the academies begin.
For your records
Amount Paid
Amount Owed

2011 ACADEMY APPLICATION
(Please mark your choices)

Full Day Academies
June 20th – 24th
____ Destination Sky & Beyond
____ Destination Space
____ Destination Flight
____ Destination Orbit
____ Extended Care (AM & PM)

Overnight Academies
July 10th – July 15th
____ Destination Moon
____ Destination Mars

Half Day at the Outpost in Smyrna, DE
June 27th – July 1st
____ Destination Ocean
Half Day AM
____ Destination Dinosaur
Half Day PM
____ Extended Care (if attending both)

Student Information
Student’s Name
First __________ Middle __________ Last __________
Sex
Male __________ Female __________
Birth Date
Month __________ Day __________ Year __________
Roommate request (overnight only)
Enter Name

Entering Grade
Month __________ Day __________ Year __________
School
Student T-shirt Size:
Youth (S, M, L, or XL) __________
Adult (S, M, L, or XL) __________

Parent/Guardian Information
Names ___________________________ ___________________________ and/or
Home Phone ( ) __________ Cell Phone ( ) __________
Email Address ___________________________
Street Address ___________________________
City, State, Zip Code ___________________________

Fee Calculations
Please fill in the appropriate amounts
Academy Fee
Total
Amount Enclosed
Amount Due on or before June 15

Make checks payable to Delaware Aerospace Academy. A completed application and a $50 non-refundable fee are required to reserve a space in a session. Applications accepted until start date or until all academies are full. Pay in Full. Charge option available online.