

CELEBRATING THIRTY-FIVE YEARS
OF EXCELLENCE



We Are Very Proud
to Announce the
2024 Delaware
Aerospace Academy

FULL DAY

June 17th – 21st

9:00 a.m. – 4:00 p.m. at the Environmental Outpost

- Destination Discovery entering 2nd or 3rd
- Fee: \$350 • \$60 non-refundable application fee is included in this amount.

Environmental Outpost is located at:

140 Dinosaur Road, Smyrna, DE 19977 Visit www.dasef.org for directions

June 24th – 28th

9:00 a.m. – 4:00 p.m. at the University of Delaware

- Destination Sky and Beyond (entering 3rd or 4th)
- Destination Space (entering 4th or 5th)
- Destination Flight (entering 5th or 6th)
- Destination Orbit (entering 6th, 7th, or 8th)

Fee: \$350 • \$60 non-refundable application fee is included in this amount.

July 7th – 12th

Overnight at the University of Delaware

- Destination Moon (entering 7th, 8th, or 9th)
- Destination Mars (entering 8th, 9th, or 10th)

Fee: \$700 • \$60 non-refundable application fee is included in this amount.

All cadets will receive an academy T-shirt, handbook, and resources about the new high-tech world they are entering.



Orbit cadets complete work on the International Space Station.



Engineering is an important part of the academies.



The Academy Staff is ready to assist and engage your children.

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 DESTINATION ACADEMIES

1. **Destination Discovery: Creatures Under the Sea to Dinosaurs on Land** (entering 1st – 3rd) will be held at the Outpost at our site in Smyrna, Delaware. Children will set out on an imaginary voyage under and above the ocean and then discover a dinosaur pit on land where they will excavate bones.



Children meet Wilmer the Whale.

Through new and creative activities, we will learn about the ships, fish and different species of dinosaurs and prehistoric sea monsters - some that lived under the sea and even some pirates who will add to an exciting week of adventure. **Fee: \$350**

2. **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: \$350**

3. **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 simple machines, engineering, circuitry, science, weather, and computer training. Plan on constructing and launching a bottle rocket. **Fee: \$350**

4. **Destination Flight** (entering 5th and 6th) focuses on an in-depth study of the principles of flight and cutting edge studies of the FAA and NASA aeronautic programs. Cadets will apply their acquired knowledge as they operate our advanced flight simulators and hovercraft. **Fee: \$350**



Cadets in Flight get first hand instruction on flight simulation.

5. **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**

OVERNIGHT ACADEMIES

6. **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, robotics, computer simulation, space beam, and telescope building. A field trip is planned to the Center for Composite Materials. **Fee: \$700**

7. **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 spare 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: \$700**



Mars cadets finish assembling a component of the ISS.

2024 ACADEMY APPLICATION

(Please mark your choices)

Full Day at the Outpost in Smyrna, DE June 17th – 21st _____ Destination Discovery: Creatures Under the Sea to Dinosaurs on Land

Full Day Academies June 24th – 28th _____ Destination Sky & Beyond
_____ Destination Space
_____ Destination Flight
_____ Destination Orbit
Extended Care _____ AM _____ PM

Overnight Academies July 7th – 12th _____ Destination Moon
_____ Destination Mars

Student Information

Student's Name _____
First MI Last

Sex _____ Male _____ Female

Birth Date _____
Month Day Year

Roommate request (overnight only) _____

Entering Grade _____ 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	_____
(includes \$60 non-refundable registration fee)	
Before/After Care	+ _____
Total	= _____
Amount Enclosed	- _____
Amount Due on or before June 16	= _____

Make checks payable to Delaware Aerospace Academy.

A completed application and a \$60 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.

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.
\$60 for a.m. • \$60 for p.m. • \$120 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 DASEF, 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 \$60 application fee.**

No refunds after the academies begin.

For your records Amount Paid _____
Amount Owed _____

Acknowledgments

DASEF would like to thank the following organizations and businesses for their generous support.

- DASEF Board, Advisory Council and Honorary Board
- 3M
- AAUW Western Sussex, Wilmington and Newark Branches
- Adams/Ashbee Scholarship Fund
- Aerojet Rocketdyne
- Agilent Technologies
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- Delaware NASA Space Grant Consortium
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www.dasef.org



Delaware Aerospace Academy

Summer 2024



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Wisdom begins with Wonder