

DASEF VISION

The DASEF vision is driven by the belief that "Wisdom Begins with Wonder." By linking the classroom experience with real-life experience, it is our hope that learning will contribute measurably to enriching classrooms, youth groups, and communities in Delaware.

Environmental Outpost has achieved a Leadership in Energy and Environmental Design (LEED) Silver Certification from the United States Green Building Council (USGBC).

The Outpost is completed and paid for and includes approximately 2,300 square feet of Instructional space built and functioning within the guidelines of "green" energy technology.



More than 34,000—students, teachers, and families—have visited the DASEF campus and taken part in its programs.

In addition to two classrooms, the building includes an observatory that houses the state's second largest, and newest, telescope. An outside deck for nature and environmental studies overlooks an "archeological dig."

The Outpost demonstrates DASEF's mission, with emphasis on an appreciation and understanding of our natural world and beyond and the integration of human ingenuity with the ecosystems of the Earth.

Phase II exterior and installation of 144 operational photovoltaic cells are now completed.



Our current construction packages include the construction of a Geothermal Systems Mechanical Room and the installation of 80 geothermal wells behind ITEC.

Two educational outdoor exhibits, our one-of-a-kind Park's Studio sculpture and the scaled planetary walk are completed and available to schools and the general public.



"Wisdom begins with Wonder" was created to be an inspiration to all who see it.

The underlying goal of the Innovation Technology Exploration Center (ITEC) is to foster a sense of connectivity, with activities that range from writing to art to hands-on science. DASEF's Phased Center will celebrate technology, but only with the understanding that technology requires responsibility.

For more information, please visit our web site at www.dasef.org

Wisdom begins with Wonder

Programs for Our Friends in the Community



The Delaware AeroSpace Education Foundation strives to improve the quality of life through its advocacy of education, the environment and strengthening the workforce.



DASEF Environmental Outpost
585 Big Oak Road • Smyrna, Delaware 19977
302.659.5003
www.dasef.org

DASEF CORE VALUES

DASEF: EDUCATING AND INSPIRING

Serving All Schools, Teachers, and the Public

Since 1990, DASEF has established itself as an innovative and progressive organization with the vision and resources required to link the science and technology of the Earth and space with the education of youth, educators, and the public.

Integrity and Compassion

- *Responsible Decision-making*
- *Environmental Stewardship*
- *Innovation, Exploration, and Discovery*

DASEF Vision

To create an exceptional learning environment that inspires children and their families with a sense of appreciation for the Earth and its place in the universe.

DASEF Mission

To inspire and educate the people of the Delaware Valley in learning about the Earth's environment, space science, mathematics and technology through the use of our academies, presentations, symposiums, professional development, events and activities and the resources of the Innovation Technology Exploration Center (ITEC).

DASEF IN THE COMMUNITY

FRIENDS IN THE COMMUNITY:

DASEF is pleased to offer exciting and entertaining learning experiences for children and their families. General programs include Saturday Explorations, Eyes on the Skies, Family Days, Academies, and Birthday Parties. Email your name, number of participants, and your phone number to Lynne Bloom: dasef.outpost@verizon.net or call (302) 659-5003.

Please share the information with your colleagues, friends, families, youth and church groups, and clubs. For specific dates, go to www.dasef.org and link to our DASEF Calendar.

COMMUNITY PROGRAM DESCRIPTIONS

Saturday Morning Explorations

Parent and child (or children) teams can explore science, nature and technology topics in a fun and educational way. Monthly adventures in discovery will be two hours in length – 10:00 a.m. until noon – with a fee of \$6/person. Limit: 20 participants.

Evening Eyes on the Skies

Join us in the Mountjoy Observatory to get a better look at objects you see in the night sky and share the excitement of star gazing with your family and friends. Come to one of our evening "Eyes on the Skies" sessions. For two hours, you can explore the universe and learn about the moon, the planets, and constellations. The fee is \$5/person. Limit: 20 participants.

Family Days

DASEF's bi-annual Family Day Fundraiser. Open to the public no registration is necessary. Check online calendar for dates. This is a rain or shine event. Refreshments and food are available for purchase. There is a \$5.00 entrance fee per person for the event. Children 3 and under free.

Summer Academies

Hands-on activities are emphasized, including many opportunities for problem solving in small teams.. All children will receive a camp t-shirt and many handouts about the natural world around them. Cost for all Full Day Academies: \$250. 9 a.m. - 4 p.m.

PROGRAMS FOR THE GENERAL PUBLIC

Before and after care available. For more information, call (302) 834-1978 or visit www.dasef.org and link to the Delaware Aerospace Academy.

1. *Destination Ocean* (entering 1st and 2nd).
Join us for a week of exciting explorations and a memorable sea adventure.
2. *Destination Dinosaur* (entering 2nd and 3rd).
Join us as we excavate and assemble dinosaur bones and learn about different dinosaurs.



Themed Birthday Parties

Enjoy lots of fun activities to make and take with you! The fee for a 2-hour party is \$200 for up to 14 guests; additional guests - \$5 each, up to maximum of 20. For ages 4 to 9. You are welcome to bring food and supplies for your party. Pizza can be supplied for an additional fee.

1. *Dinosaur Birthday* - You and your guests will assemble a dinosaur puzzle; watch a video about dinosaurs; hunt for and assemble the pieces of a life-sized skeleton model of "Protoceratops" (the first horn-faced dinosaur); each make a prehistoric dinosaur scene.
2. *Space Adventure* - You and your guests will watch a video about space; assemble a planetary puzzle; build and launch a film canister/seltzer rocket (ages 5 to 7) or a soda bottle rocket (ages 8 to 10); each guest brings a 2-liter soda bottle.
3. *Pirate Birthday* - You and your guests will visit our life-sized model of a sailing scow to hear about local pirates; go on a pirate treasure hunt; assemble a pirate puzzle; see a pirate movie.
4. *Butterfly Birthday* - You and your guests will go on a hunt around the grounds to find model butterflies and learn about protective coloration, assemble a Monarch butterfly puzzle; watch a movie about butterflies; use hand lenses for a close-up look at our butterfly and moth collections; each make a paper butterfly to take home.
5. *Sounds Like Parties* - You and your guests will use Boomwackers plastic tubes to discover changing pitches and make up songs, make and take a rain stick, watch a movie about fantastic music machines, see a demonstration of vibrations in our Dancing Water Bowl, take the "Mystery Sounds" challenge, and play "Guess What's Shaking".
6. *Underseas Adventure Parties* - You and your guests will make and take a periscope and use it to decode secret messages hidden around the building, take the "Ship's Cargo Challenge" – problem-solving for young ship builders, see an animated ocean movie, assemble a puzzle about life under the sea, and make a bead sea creature to hang in your room.