

CALVERT ENVIRONMENTAL TRUST FOR YOUTH

2023 ANNUAL
REPORT

Est. 1996

A child wearing yellow pants and pink boots is watering a small green plant in a garden bed with a red watering can. The background is a blurred garden scene.

ABOUT US

The mission of Calvert Environmental Trust for Youth (CETY) is to provide a financial mechanism whereby projects that have positive influence on youth and/or the environment can be adequately funded through a local entity.

Calvert Environmental Trust for Youth is a 501(c)(3) nonprofit organization. All Calvert Environmental Trust for Youth programs and services are offered on a nondiscriminatory basis, without regard to race, color, national origin, religion, sex, age, marital status or handicap.

VISION STATEMENT

The vision of Calvert Environmental Trust for Youth is to see an increase and improvement in quality-based youth and environmental activities throughout the region.

In 1996, the Calvert Environmental Trust for Youth (CETY), a non-profit 501(c)3, was established to support environmental and youth activities in Calvert County. Over \$100,000 was raised from local contributors within the first year; clearly a mission worth supporting! An additional \$261,697 has been contributed over the last 27 years.

The interest earned from these donations is used to support environmental projects throughout the county. Since its inception, the Trust has awarded \$361,697 in grants. 2023 was able to fully support the 17 applicants totaling \$33,562.25 in grants.

The Trust is grateful for all funding received from local contributors and is in the process of applying for major foundation assistance to match local support.

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**THANK YOU
SPONSORS!**

2023 Sponsors
**Calvert County Board Of County Commissioners,
SMECO,
Coastal Design & Construction**

MAJOR FUNDING PROVIDED BY:

- American Rescue Plan (Covid Relief)
- Calvert County Commissioners
- Calvert Soil Conservation District
- Baltimore Gas & Electric
- Constellation Energy Group
- Coastal Design & Construction
- Dominion Cove Point LNG
- Engl Family Ltd. Partnership
- The Gott Company
- The Home Depot
- Marrick Properties, Inc.
- SMECO
- Southern Maryland RC&D

BOARD OF DIRECTORS:

- Walter L. Wells, President
- Thomas D. Briscoe, Vice President
- David A. Cox, Treasurer
- Leonard Ogden, Director
- Chris Dowell, Director
- Brian Stupak, Director
- Linda Subda, Director
- Rebecca Willis, Director
- Benson Tiralla, Director
- Ashley Brown, Secretary



2023 APPLICANTS

#230	2023 Envirothon	\$12,672
#231	Youth Livestock Auction	\$3,606.25
#232	Calvert Middle School Green Team	\$2,000
#233	Kaitlyn Cosgrove Senior Project	\$2,550
#234	Northern High School Lorax Club	\$4,200
#235	Calvert Nature Society	\$1,000
#236	Calvert Marine Museum	\$980
#237	Oliver Simon Senior Project	\$124
#238	Edward Goodman (JPPM)	\$1,000
#239	Calvert County Historical Society	\$2,500
#240	Northern High School Garden Club	\$511
#241	Calvert County Master Gardeners	\$724
#242	CHESPAX – Wildlife Skulls	\$445
#243	UME Passport to Agriculture	\$500
#244	CHESPAX - Kindergarten Nature Boxes	\$300
#245	Northern Middle – Mosquito Garden	\$150
#246	CHESPAX – Float Your Boat	\$300
	2023 TOTAL:	\$33,562.25

Also included in this report is Grant #208, which was postponed due to Covid-19.



2023 ENVIROTHON

CONGRATULATIONS NORTHERN HIGH SCHOOL



Northern High School, Calvert County Envirothon First Place Team Pictured (left to right): Teacher Mrs. O'Donnell, Ana Reinhardt, Addison Fortenberry, Eleanor Cole, Sasha Barley, Raleigh Sterling, and Jasmine Simpson

The competition was held on April 20, 2023, at King's Landing Park in Huntingtown, MD. The students competed in four resource categories: aquatic resources, forestry management, soil conservation, wildlife management, and a fifth miscellaneous topic.

The Envirothon is an environmentally-based problem-solving competition for high school students. Teams are made up of 5-7 students who work together to study Maryland's natural resources over the course of the school year. All topics are very hands-on and include practical skills and trainings taught by experts in each field.

The first-place team of this year's Calvert County Envirothon was Northern High School with 347 points out of a possible 400 points. Calvert High School placed second with 341 points, and third was Huntingtown High School with 327.5 points.

The Northern High School team traveled to Swanton, MD, June 15-16, 2023, for the Maryland State Envirothon competition. The Northern High School team represented Calvert County and placed third in the competition! Congratulations!

Envirothon is sponsored by the Calvert County Soil Conservation District, Calvert Forestry Board, Calvert County Natural Resource Division, Morgan State University Estuarine Research Center, American Chestnut Land Trust, and the CHESPAX program of Calvert County Public Schools.



We would like to give a special thanks to Ron Babcock of Calvert Soil Conservation District (left) and Chuck Gustin of Calvert High School (center) for their dedication to the Envirothon mission. They are both retiring in 2023 with 33 and 30 years respectively! We wish you the best in your retirement. Linda Subda, CHESPAX member and Envirothon leader (right), presents retirement cakes to Mr. Babcock and Mr. Gustin.



CALVERT COUNTY YOUTH LIVESTOCK AUCTION

AT THE CALVERT COUNTY FAIR

The Youth Livestock Auction is held annually during the Calvert County Fair. This is when animals that 4-H members have raised and cared for are sold to the public. It is the final step in their livestock project where the educations marketing aspects are put into action.

Each year, Calvert Environmental Trust for Youth supports the club by purchasing animals and donating them back to the youth.

This is a great way for kids to learn about agriculture, the value and reward of hard work, and the importance of good land and livestock management.





CALVERT MIDDLE SCHOOL

GREEN TEAM



Calvert Middle School's Green Team, led by science teacher Mrs. Holly Fallica, wanted to spruce up the CMS courtyard, where only sidewalks and overgrown grass were the only focal points. Their idea was to plant a school garden with flowers, shrubs, and/or trees, for students and staff to enjoy. The project serves as an example of sustainability practice that others can model in their own homes by gardening and planting native species. The Green Team will be responsible for the area and harvesting produce for the science classes and community to enjoy.





SENIOR PROJECT

KAITLYN COSGROVE

During the late winter/early spring I had completed my research project that was funded by Soil Conservation's CETY Grant. In my research project I was looking into the difference in weight between steers and heifers in the beef cattle industry. My research was conducted to hopefully determine whether or not artificially inseminating cows with sexed semen to ensure male offspring would be worth the cost difference to try and make raising beef cattle more profitable and successful. To conduct my experiment, I chose four calves born in 2021, two heifers, and two steers. I started conducting my research in December of 2022. These 4 cattle all ate grain together had the same opportunity to the same pasture, provided fresh water and shelter and all lived together as a heard. I weighed each heifer and steer once a week for three months using a cattle scale purchased with the grant money from the Soil Conservation's CETY Grant. In order to easily weigh each cow, I built a handling system in the barn to help make the process a little easier. The image below is a diagram of how the barn was laid out to weigh the cows. After feeding cows grain I would shut the gate behind making their only way out across the scale, after the first few times the cattle understood the process making the data collection fairly simple.

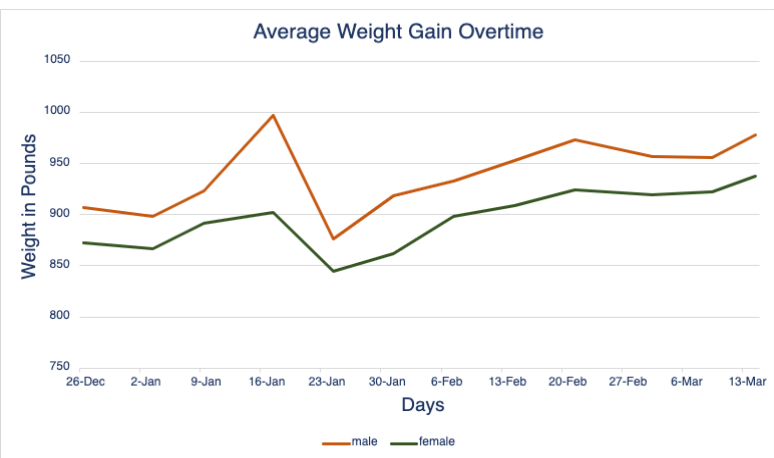
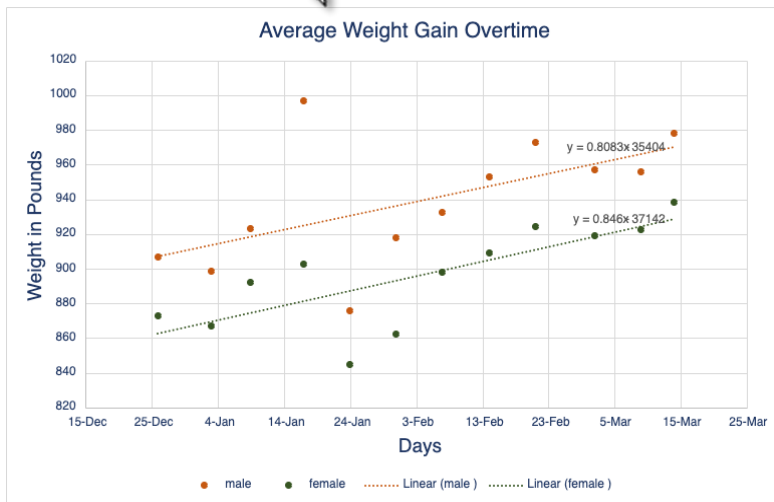
After all my data was collected, I had to analyze the data to figure out and determine if steers or heifers gain weight more efficiently. To do this I plotted their weights on a graph and then calculated the average weight gain for steers and heifers. Once I narrowed it down to two lines, I found the line of best fit and calculated the slope of these lines. The steeper the slope, the faster the cow gained weight as shown on graphs below. In my findings I determined that steers and heifer gain weight equally efficiently. Based on weight gain there is no reason to purchase sexed semen over unsexed semen. Some things in the research that could be improved for better results would be a larger sample size, to outweigh any outliers to give a more accurate result. If the cattle had similar genetics, the data could be more accurate. They all have the same sire, so their genetics only match by 50%. The cattle's birthday also ranged about two months in the late winter to early spring. If their birthdays were closer together their starting weight should be closer together making the data, more accurate. If I did this research again, I would also look into other reasons farmers may prefer one gender over the other like temperament.

Lastly, I would like to thank everyone on the board for choosing me to give this grant to. I had the opportunity to learn a lot about the steps it takes to write a scientific paper, how to create a research project and data collection. This grant also allowed me to learn more about a specific field in agriculture the interests me. Hopefully I can use the knowledge gained from this project in my future in agriculture. (Photos on next slide.)

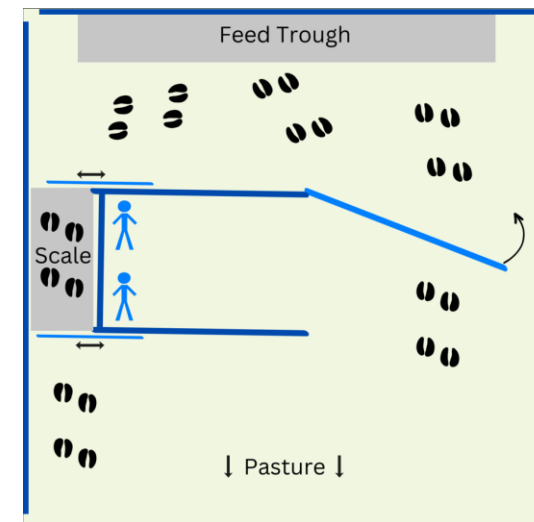


SENIOR PROJECT

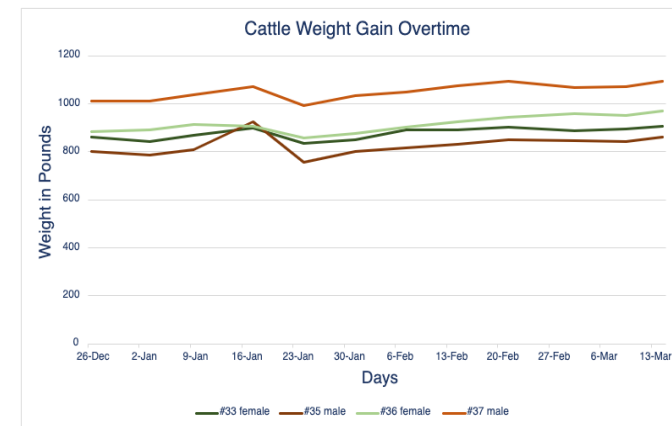
KAITLYN COSGROVE



Top left #37 male; Top right #35 male; Bottom left #36 female; Bottom right #33 female.



This is the diagram of the handling system in barn to weigh the cattle.





GREEN WALL INSTALLATION

NORTHERN HIGH SCHOOL, LORAX CLUB

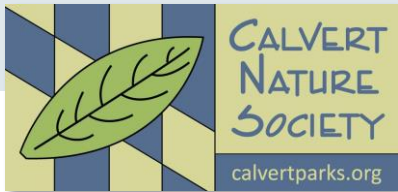
A green wall is a system of plants that grow on a vertical orientation. They not only transform the look of the school, but also improve the air quality, break down VOCs, reduce noise, regulate temperature, save energy, and help NHS qualify for the next Green School application. The wall is 6' x 8' and located in the school by the gym and cafeteria. The Lorax Club student members will maintain the wall. At its completion, there will be a dedication ceremony at the school.

Aside from the CETY funding, the NHS Lorax Club students raised the remaining of the funds (an additional \$4,200) from their candy bar fundraiser – now that's a lot of chocolate!

After successfully securing the remainder of funding in late 2023, their vendor, Greenstreet Gardens, will install the green wall in 2024. Below is an example of a green wall that NHS envisions.

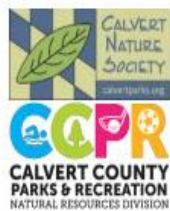
There will be a ribbon cutting ceremony in 2024 to reveal the final product!





EAGLE SCOUTS PROJECTS IN CALVERT COUNTY NATURE PARKS

CALVERT NATURE SOCIETY



Scout and Community Service Projects 2023

Calvert Nature Society was awarded a \$1000 CETY (Calvert Environmental Trust for Youth) grant to support at least three youth service projects the Calvert Stewards, Scout and Community Service Projects throughout the Natural Resources Nature Parks. Funds were used for purchasing lumber, paint, tools, and other materials needed to complete the projects.

Scout Projects

- ☑ Alex Smith Troop (Troop 429) constructed several picnic tables for the new tot lot at Ward Farm Recreation & Nature Park as his Eagle Scout Project.
- ☑ Brownie Troop 11059 installed their trash and recycling project at Ward Farm Recreation & Nature Park. The girls have been working on designing and building their informational sign and game display for a year, and it is now on display at Field 3, along with new trash and recycling cans. They were inspired to educate people about the hazards of litter and how to properly dispose of waste when they were Daisy scouts. They want people to know that plastics stay around for a long time in the environment and can cause wildlife to get hurt, so it's very important to dispose of trash and recycling properly.
- ☑ The Western Shore chapters of the Boy Scouts & Cub Scouts hosted their spring Camporee at Kings Landing Park. As a service projects, they cut the switchgrass around Wisner Hall and removed about a dozen autumn olive bushes from the forest edge near the meadow maze—so much that Ian had to use heavy equipment to dispose of it.

Calvert Nature Society
 Joyce Baki, President
 Kevin Frere, Treasurer
 Maggie Silverman, Secretary

Natural Resources Division Merit Staff
 Karyn Molines, Division Chief
 Sarah Godwin, Office Specialist
 Ian Keeley, Park Supervisor
 Jessy Oberright, Volunteer Coordinator
 Jenny Yoder, Kings Landing Park Manager
 Brian Bussard, Flag Ponds Park Manager
 Lydia Wells, Naturalist II
 Kim Curren, Naturalist I
 Tania Gale, Naturalist I
 Gene Groshon, Naturalist I



Boy Scout Troop 429 and Cub Scout Pack 789 built a gaga ball pit. They planned to install it at Kings Landing Park this fall, but had to reschedule (twice) due to rain.

Other Community Service Projects

Special Recognition: Mary Hollinger received the 'Outstanding Achievement Award' and Sydney Weller received the 'Rising Young Woman Award' at the Calvert County Women of the World (virtual) Celebration & Awards Ceremony.

Jeremy King will be working on a student service-learning project to create a field guide to local dragonflies.

A.H. Hatchers donated 6 cu. yards of hardwood mulch for the Kings Landing gardens.

- ☑ Two local Girl Scout troops assisted with parking and hospitality, and helped with games and activities during Superhero Sunday.
- ☑ First Home Mortgage held two Adopt a Park clean ups at Hallowing Point Park.
- ☑ The Kappa Alpha Kappa Sorority, Omega Pi Omega chapter held a tree planting on Arbor Day, April 28, at Gatewood Preserve – the rain was no match for these women!

Service Projects in the Planning Stages

Girl Scout Gold Award recipient Aewyn Fields is redesigning and expanding the nature play space at Battle Creek Cypress Swamp. Her focus is to make the play space fully accessible to all children regardless of ability.

Ty Cherry is planning to install benches at Kings Landing Park for his Eagle Scout project.

Two scout troops will be building Barn Owl boxes this winter.





BIRD WATCHING AND CITIZEN SCIENCE

CALVERT MARINE MUSEUM

The Calvert Environmental Trust for Youth (CETY) Grant supported educational programming and citizen science by funding the needed supplies, binoculars, enabling the public to fully participate in bird watching as part of the Annual Christmas Bird Count. The binoculars allowed visitors to view birds at a greater distance, more accurately make species identification, and made a greater area around the Calvert Marine Museum Campus available for participants to make observations.

The Calvert Marine Museum (CMM) offered programming for visitors to participate in guided bird walks as part of the Annual Christmas Bird Count on December 23, 2023. Museum education staff provided the needed materials including: A staff member to guide participants, bird identification packets, binoculars, and printed bird checklists for Southern Maryland. The program was advertised on the CMM Facebook page prior to the program date. This program was offered at no additional fee to museum admission.

Program Participation Report

On December 23, 2023, Education Staff offered guided bird walks on the CMM Campus at 10:30a.m., 11:30a.m., and 12:30p.m. Each Participant was provided with the needed materials (as stated in above paragraphs) and assisted during their entire session in locating and identifying bird species. The binoculars enabled visitors to identify birds in a much larger area and allowed a more in-depth checklist to be completed. This included birds that were seen over and

on the water in the boat basin and beyond into Back Creek, birds that were soaring high above, and smaller songbirds that were perched high in trees.

The checklist of birds seen during the program, as curated by the participants, was provided via eBird for the Patuxent River, sector 5, Christmas Bird Count. This data, collected via citizen science, will be compiled and used by the Cornell Lab of Ornithology to better understand bird populations and movements throughout the world.

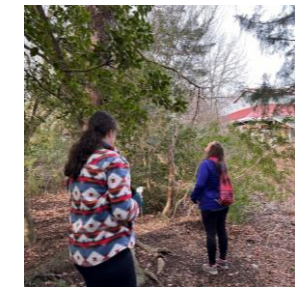
Total participants = 13 (this is cumulative for all sessions). Participation age varied from younger children to adult. The first session had the largest group with 6 experienced adult birders, who elected to stay out longer than the guided walk and provided their checklist to museum staff once finished.

Area covered: Boat Basin, Marsh Walk, Corbin Pavilion. All sightings took place between 10:30a.m. and 1:00p.m. (sessions began at 10:30, 11:30, 12:30)



Bird Sightings List: *(cumulative over all sessions)*

- Canada Goose x15
- Mallards x12
- Great Blue Heron x1
- Mourning Dove x1
- Turkey Vulture x6
- Bald Eagle x2
- Cooper's Hawk x1
- Downy Woodpecker x2
- Belted Kingfisher x2
- Blue Jay x2
- American Crow x3
- Northern Mockingbird x2
- Carolina Chickadee x4
- Bufflehead x4
- House Sparrow x12
- Northern Cardinal x3
- Yellow-rumped Warbler x6
- House Finch x3





SENIOR PROJECT

OLIVER SIMON



C.A.S.E. stands for “Curriculum of Agriculture Science Education.”

For his project, Oliver researched “What composting additive is more efficient for compost: chicken manure, microbial accelerant, or a DIY mixture?”

Abstract:

What composting additive is more efficient for compost? Chicken manure will be the most effective additive, yielding the best soil nutrition in the least amount of time. Composting additives are foreign agents added to support microbial activity or soil quality. Four transparent plastic bins were filled with a fifty-fifty ratio of shredded leaves and produce with one thousand red wiggler worms divided evenly among them, assigned and applied a certain additive, and placed in a climate-controlled trailer with observations, measurements, and maintenance taking place weekly. While additives are marketed as significant contributors to breakdown of organic material in compost, additives have negligible effect on decomposition and soil quality compared to starting organic material and proper maintenance under similar conditions.





NATIVE PLANTS FOR MIGHTY MARSH PROGRAM

GOODMAN, LLC, IN COLLABORATION WITH FRIENDS OF JEFFERSON PATTERSON PARK & MUSEUM

Providing plugs for Jefferson Patterson Park's Mighty Marshes activity started for the nursery as soon as we got the grant, we were busy working on finding the seeds, and getting our plug trays ready. We were focusing on some specific species of interest that their horticulturist Lindsay Hollister was interested in. Unfortunately, we were only able to provide about half the species that she wanted because we had some issues with some of the species being a little difficult to grow. Overall, we delivered over 800 plugs of different native species, and donated a few larger plants as well to the grounds.

It was great to be a part of the planting process, where Lindsay and her team over the year have removed phragmites, we were planting in their place. Hopefully, we can encourage some plants like *Chasmanthium latifolium* and *Solidago sempervirens* to grow there now.





FARM-TO-TABLE HERITAGE BREAKFAST

CALVERT COUNTY HISTORICAL SOCIETY

The annual “Farm-to-Table” breakfast features many foods from local farms. In addition to the fantastic local food, there are displays of historical sites, soil conservation practices, and activities for children to enjoy.

On March 18, 2023, the first “Farm to Table Heritage Breakfast was held at the Calvert County Fairgrounds. It was a huge success with over 400 people in attendance as well as 42 volunteers including the Huntingtown High School History club. There were 48 children who participated in the special youth activities. We hope to include up to 75 children this year in similar fashion. These activities include “archeological” digs finding unique articles found in Calvert County, planting of sunflowers and natural pollinators for animal and bird food, coloring books devoted to soil conservation and history, and special placemats depicting the County seal and its importance to them will enhance our outreach.

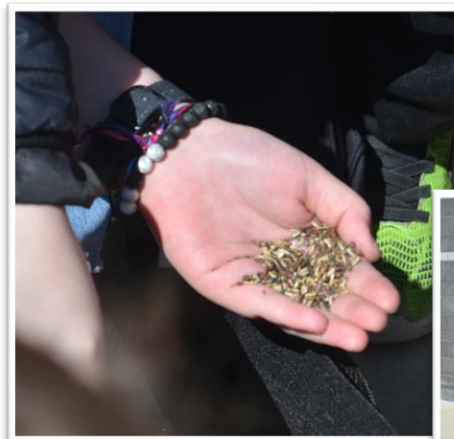




WONDERS OF THE EARTH DAY

NORTHERN HIGH SCHOOL GARDEN CLUB

Wonders of the Earth Day (WOE) is an opportunity presented to third graders at Sunderland Elementary School, who are invited to Northern High School for a day of activities to learn about the environment. Activities are led by members of the NHS Garden Club. The Garden Club instructs the third graders on how to improve our environment and the impact of native species upon it. Attendees will create miniature gardens to take back to their classrooms and they will plant pollinator flowers.





THE GREAT TOMATO GROW-OFF: SCIENCE THROUGH NATURE AND GARDENING (1/2)



CALVERT COUNTY MASTER GARDENERS

The brainchild of Jim McVey, Edward Goodman and Sue Huseby encourage Calvert youth to connect with the natural world, discover their own impact, and learn some science principles and practices.

The project began in April when the first tomato seeds were planted indoors and grown until they were ready to be planted outdoors. On June 3rd, we got together at the garden at Annmarie Sculpture Garden. Of the 20 enrollment responses, we had only 13 families show up. This, as it turned out, was plenty!

Each child received a hat, a pair of gloves, a ruler, small notebook and pencil along with a watering can and tote bag. They also received a grow bag provided by Root Pouch, soil mix and fertilizer and, of course, their plant (variety 'Baby Boomer'). All the plants had been started at home by one master gardener, under the same growing conditions and were about 6" tall when planted in the bags. Participants were provided written instructions on how to care for their plant and with a QR code link to our google forms website where they would be reporting their progress.

The first lesson was to mix the soil components (potting soil, leaf grow, vermiculite) on a tarp. The participants worked as a team to roll the soil back and forth mixing the ingredients. Next, they filled their grow bag and planted their tomato. To begin the data collection they measured their plants, counted their leaves and recorded the information in their notebooks. We also talked them through logging on and reporting their data and pictures each Sunday.



THE GREAT TOMATO GROW-OFF (2/2)

Over the next 17 weeks participants answered new questions each week about how their plant was growing and what it was doing. At first it was care of the plants:

- Have you watered your plant today?
- How many leaves does it have now?
- Is it getting enough sunlight?

Through the questions, the pictures and the comments they were submitting, we were able to keep track of progress.

- *"I have mushrooms growing in my bag is that a problem?"*
- *"Why is my plant wilting?"*
- *"Why are some leaves turning yellow?"*

The questions progressed through the summer....

- What color are the flowers and how many petals does it have,
- Where to do the flowers go? *"Something ate them"*
- How long does it take a tomato to turn from green to red? *"Too long"*



We also included a joke each week:

Why did the tomato blush?

Because he saw the salad dressing.

Why did the tomato go out with a prune?

Because he couldn't find a date.

Even though results varied,

We are proud to say everybody got some tomatoes

At the end of summer on September 24th we got back together at Annmarie Garden, to review the project and have some fun. Everybody received a personalized certificate...

- Who had the most creative growing practice?
"My plant grew bigger than my sister's because I sing to it every day"
- Who had the most tomatoes on his plant at one time?
 - "55"
- Who asked the most questions?!

The kids also received a T-shirt saying **'I grew amazing tomatoes! Ask me how. Great tomato grow-off 2023**, and we decorated them with leaf imprints which involved pounding on a leaf of their choice with a hammer!



WILDLIFE SUPPLIES FOR ENVIROTHON

CHESPAX

The Envirothon is a yearly event that aims to guide students toward nature-inspired career paths by exposing them to various terrain, habitats, Maryland wildlife, and testing techniques. It serves to connect the students to conservation efforts in the management of wildlife, forestry, soils, and aquatic resources.

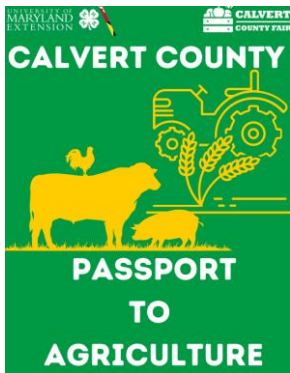
For the last 31 years, Calvert County has hosted a local event. Each year, CHESPAX strives to enhance the event by providing various resources that will assist the students in learning about these resources. This year, we created several KAHoots in three of the topic areas. These KAHoots were used as study resources for the students. We also purchased five skulls that the wildlife trainer can use to help instruct students about the various wildlife within our county. These skulls will be housed at CHESPAX and used during training and testing for future events. Through this program, several students have chosen career pathways in the fields surrounding the environment whether that be environmental law, wildlife management, cultural resources conservation, or agriculture. Through the resources we provide we are building the next generation of environmentally aware students.





PASSPORT TO AGRICULTURE

UNIVERSITY OF MARYLAND EXTENSION (UME)



This year Calvert County 4-H had a goal of taking the mission of University of Maryland Extension and expanding our reach of bringing the education of the University out into the community, meeting members where they are at. Additionally, through informal needs assessments youth and families highlighted a want and need for increased hands-on education around the areas of Agriculture. Thus, it made sense that a fantastic way to reach community youth and families was through the County Fair, especially on the free admission youth day.

Calvert 4-H set out to create a fun, interactive, and family building activity that helped to educate about the Agriculture Industry. Additional anticipated positive outcomes included offering an activity that encouraged families and youth to spend time being physically active in the outdoors and to have families/friends working together towards a shared goal of completing their passport.

The project was met with enthusiasm by those who participated. In all, 335 passports were handed out and 25% of participants returned to turn in their survey and receive their passport stamp and goodie bag. Highlights from the survey include:



- 98% reported learning new things is fun
- 96% reported learning something new
- 95% reported they would share what they learned with others
- 96% reported they thought agriculture is important
- 75% reported wanting to learn more about Agriculture



Throughout the day, the Calvert 4-H staff also received verbal feedback on the project. Highlights from this include:

- “This is the most fun we have ever had at fair”
- “Such a creative idea! We had a blast”
- “Thank you for providing an activity that does not cost extra. We love the fair, but the extra costs are hard for my family”
- “We all learned so much, who knew!”

We are extremely pleased with this first year of the project. We are excited to run the program again during the 2024 fair with increased awareness and signage about the program to increase awareness and reach. Thank you for helping to make this program possible and for your continued support of youth education in Calvert County.





NATURE BOXES FOR KINDERGARTENERS

CHESPAX



Matching the items with the photo



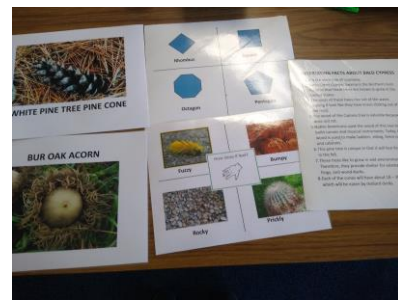
Shark teeth resources



Working on photos from their items



Drawing a camel using bur oak pinecone caps as the starting point



Other resources in the box

In the middle school curriculum, students learn about the natural world and human impacts on natural systems. Students in seventh grade learn about ocean currents and their role in shaping our weather. In eighth grade, students complete a unit on Climate Change and its impact on the natural world and our way of life. This project involves an introduction to sixth graders about these concepts and build their prior knowledge on topics that they will explore later in their middle school curriculum. Funds from CETY were used to purchase rough cut cedar boards. These boards were delivered to the Calvert Marine Museum where they were cut in the boat builder shop into 121 small wooden boats.

The boats will be brought into sixth grade classrooms at Northern Middle during the first week after the break. Students will participate in some lessons related to understanding climate change. Students will then decorate their boats with messages about climate change and the impact on our environment. Below are some photos taken from spring 2023. The boats will be shipped aboard an icebreaker above the arctic circle where they will be placed on the sea ice with a GPS beacon. This beacon will allow the boats to be tracked by the students through a web interface for about two years.

Each boat is uniquely marked with a serial number and a URL for the project website. If someone relocates a boat, even years from now, the organization will contact CHESPAX and staff will notify the student that their boat has been found.



MOSQUITO GARDEN

NORTHERN MIDDLE SCHOOL

Northern Middle School contacted CETY for a \$150 grant in October of 2023. While CETY accepts small grant applications during the year, this would not be complete by the November deadline. A mutual agreement was reached between Dr. Price and Ashley Brown to extend the due date for reporting and documentation to 2024.

The purpose of this grant is to cultivate a mosquito-repelling plant garden that will benefit residents. 7th grade students at Northern Middle School will learn how to care for different plants and create a garden that will replace insecticide use and reduce chemical use.





FLOAT YOUR BOAT

CHESPAX



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The boats will be brought into sixth grade classrooms at Northern Middle during the first week after the break. Students will participate in some lessons related to understanding climate change. Students will then decorate their boats with messages about climate change and the impact on our environment. Below are some photos taken from spring 2023. The boats will be shipped aboard an icebreaker above the arctic circle where they will be placed on the sea ice with a GPS beacon. This beacon will allow the boats to be tracked by the students through a web interface for about two years.

Each boat is uniquely marked with a serial number and a URL for the project website. If someone relocates a boat, even years from now, the organization will contact CHESPAX and staff will notify the student that their boat has been found.



WONDERS OF THE EARTH DAY

NORTHERN HIGH SCHOOL LORAX CLUB

On March 30th 2023, the NHS Lorax group held WOE (Wonders of the Earth day) at NHS. 119 3rd graders from Sunderland Elementary attended. 4 stations were set up for the students to rotate throughout the day. Each station had an activity for the students to participate in that teaches them about the environment and the part they can play to make it better. We had a soil group talk about the importance of bees, composting, and students were able to plant a flower for their class. Students also painted butterfly houses to take back to school with them. The stream group talked about habitats, pollution in the water, wildlife, and students participated in a watershed simulation activity. The forestry group acted out a food chain and took a short hike on a trail through the woods. The Lorax group had face painting while NHS students read the Lorax to the students. The recycling group talked about the benefits of recycling, reusing and reducing. Students got a reusable bag and colored on the front of it. Every station is run by a group of students from the NHS Lorax club. We had 4 additional rotating stations in the afternoon. They learned about Maryland's watershed and got to see where the water goes while interacting with the table. We also had the students help make paper seed bunnies to plant back at school. The NHS garden club ran a station planting natives for the students to take back with them in planter bags and students help to complete a bottle cap mural for them to take back to the school. The Sunderland students wrote us thank you letters. They really enjoy having the high school students take time to interact with them and teach them about the environment. This grant was from 2020 which could not be completed due to COVID. We were able to squeeze down to 2 buses.



Summary of Awards by Organization 1997-2023

Battle Creek Nature Center (Outdoor Heritage Foundation, Junior Ranger Corp Projects, Girl Scout Gold Award)	11	9,175
4-H Livestock Auction at Calvert County Fair	11	57,578
Boy Scouts	12	9,010
Girl Scouts	2	1,015
Calvert County Public Schools	92	61,734
Calverton School	1	200
CHESPAX (Calvert County Public Schools)	23	21,440
Calvert County Forestry Board	2	470
Calvert Marine Museum	3	2,530
Calvert Farm Bureau	4	5,950
Calvert Future Farmers of America	4	2650
Cooperative Extension Services	12	9,580
Envirothon	28	133,578
Combined Groups (Student Ambassador) (Agricultural Educational Center) (Ann's Circle, Inc.) (Tidewater School) (Calvert County Historical Society) (Friends of Jefferson Patterson Park) (Calvert Nature Society)	29	46,780

<p>Total grants: 234</p> <p>Total Awarded: \$361,396</p>
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Summary of Awards by Year

<u>Year</u>	<u>Total</u>	<u>Year</u>	<u>Total</u>
1997	602	2011	11,022
1998	1,000	2012	8,806
1999	4,960	2013	11,523
2000	7,979	2014	16,796
2001	7,472	2015	18,164
2002	4,500	2016	25,926
2003	9,133	2017	19,035
2004	8,554	2018	20,599
2005	7,115	2019	25,129
2006	7,357	2020	24,818
2007	10,161	2021	26,166
2008	9,985	2022	22,031
2009	8,828	2023	33,262
2010	10,473		

CALVERT ENVIRONMENTAL TRUST FOR YOUTH
Statement of Receipts and Disbursements
For the Period of January 1, 2023 through December 31, 2023

OPERATING & GRANT FUNDS AVAILABLE JANUARY 1, 2023\$39,818.94

RECEIPTS:

Grant Funds (90% of 2023 Interest Earned)\$16,446.00
 Operating Funds (5% of 2023 Interest Earned\$913.00
 Donation from Coastal Design and Construction Inc.1,000.00
 Donation from SMECO.....250.00
 Donation from Calvert County Government.....6,200.00
 Donation from Battle Creek Beef.....700.00
 Donation from Calvert SCD.....2,000.00
TOTAL RECEIPTS.....\$27,509.00
Minus donations to principal10,150.00
SUBTOTAL.....\$17,359.00

SUBTOTAL.....\$57,177.94

DISBURSEMENTS:

Operating Expenses:

Rymer & Assoc. (tax preparation)\$825.00
 Maryland Nonprofits (information service)100.00
 Postmaster (Post Office box fee).....226.00
Total Operating Expenses.....\$1,151.00

Grants Awarded:

Grant #230 Calvert SCD Envirothon \$12,672.00
 Grant #231 Calvert LAC (4-H) 3,606.25
 Grant #232 Calvert Middle School Green Team 2,000.00
 Grant #233 Kaitlyn Cosgrove..... 2,550.00
 Grant #234 Lorax Club 4,200.00
 Grant #235 Calvert Nature Society 1,000.00
 Grant #236 Calvert Marine Museum..... 980.00
 Grant #237 Oliver B. Simon 124.00
 Grant #238 Goodman LLC 1,000.00
 Grant #239 Calvert Co. Historical Society..... 2,500.00
 Grant #240 Northern HS Garden Club..... 511.00
 Grant #241 Univ. of MD Extension Calvert Co..... 724.00
 Grant #242 CCPS (skulls) 445.00
 Grant #243 Univ. of MD Extension Calvert Co..... 500.00
 Grant #244 CCPS (K-boxes) 300.00
 Grant #245 Northern Middle School..... 150.00
 Grant #246 CCPS (Float your Boat) 300.00

Total Grants Awarded\$33,562.25

TOTAL DISBURSEMENTS\$34,713.25

TOTAL OF ALL FUNDS AVAILABLE DECEMBER 31, 2023\$22,464.69

CALVERT ENVIRONMENTAL TRUST FOR YOUTH

Account Information and Donations Received

Edward Jones Investment Account Value December 31, 2022	\$493,769.07
Edward Jones Investment Account Value December 31, 2023	\$520,881.16

2024 PROPOSED BUDGET

INTEREST ALLOCATION:

2023 Interest Earned	\$18,273.53
90% to Grants	\$16,446.00
5% to Operating Expenses	\$913.00
5% to Principal.....	\$914.53

GRANT FUNDS:

Grant Funds available after 2023 grants awarded.....	\$3,705.07
2023 year-end interest earned (90%)	<u>16,446.00</u>
Total 2023 Grant Funds Available	\$20,151.07

OPERATING FUNDS

Operating Funds available after 2023 expenses.....	\$1,400.62
2023 interest earned (5%)	<u>913.00</u>
Total 2023 Operating Funds Available	\$2,313.62

ESTIMATED OPERATING EXPENSES

Tax preparation	\$900.00
Annual post office box fee	250.00
Maryland Nonprofits Membership	125.00
Renewal of Charitable Registration/State of Maryland	<u>125.00</u>
Total 2023 Estimated Expenses	\$1,400.00

THANK YOU

For assistance applying, please contact:

ASHLEY BROWN

410-535-1521, Ext. 3

ashley.brown@calvertcountymd.gov

www.calvertsoil.org/home/cety/

2023

**CALVERT ENVIRONMENTAL
TRUST FOR YOUTH**