



PROGRAMS YOU COME TO

Project ROC-Together, Restoring Our Coastline

Especially for Corporate Green Teams, school groups and community volunteers. Join us for an event that is already planned, or sponsor an event for your group. Events include activities such as sea oar sand tree plantings, invasive removals and much more! Primarily in Broward and Miami-Dade Counties.

Sailing For Success - Special Events

This program teaches people of all abilities how to sail! Our partners, Broward College and Allstate Resource Management, provide Access Dinghies, which allow everyone to experience the wonderful freedom of sailing. Sailing builds confidence and motor skills while enjoying the outdoors. Call us to discuss these programs.

Get Involved!

Volunteer with YEA to help facilitate our programs. Applicants should be self-motivated, have a passion for the environment and enjoy working with children. Volunteers are required to complete an application and attend training. Community service hours are available. Volunteer opportunities include Project ROC, fishing clinics, Gardening support, Teaching and more.

OUR MISSION

The Youth Environmental Alliance's mission is to deliver education programs and facilitate participation in environmental activities to diverse persons of all abilities.

Since 2005 YEA has been building stronger and healthier communities by delivering hands-on educational programs and building community focusing on ecology, environmental restorations, outdoor activities and sustainable gardening.

Every program highlights the importance of outdoor ethics, safety, and environmental stewardship.

What Makes Us Unique

- Designed and delivered by science professionals who are experienced subject matter specialists.
- Customized to teachers' lesson plans, developed and delivered together with active community partners who are role models for the participants.
- YEA comes to your site or meets you in the field.
- All Programs are aligned with National Education and Common Core State Standards (CCSS).

Sponsors

Allstate Resource Management, Inc.

Aqua Displays

Wells Fargo

Fish Florida

National Fish and Wildlife Foundation

Community Foundation of Broward



Youth Environmental Alliance

"For Youth, For the Environment, Forever!"

Call Now to Schedule Programs!

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Youth Environmental Alliance

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School Programs

YOUTH ENVIRONMENTAL ALLIANCE

"For Youth, For the Environment, Forever!"



YEA delivers environmental programs that engage youth and you in hands-on learning activities!

YOU help protect Florida's fragile environment by scheduling and participating in a program or by joining the YEA family as a volunteer or sponsor.

YOU can get out of the office and onto the beach!

Contact Us to Schedule a Program
954-649-7717

www.youthenvironmentalalliance.com



MORE STEM PROGRAMS THAT COME TO YOU! - \$9

V Kindergarten - Plant and Me

Through explorations and simulation, students will recognize the five senses and related body parts, that some books and other media portray animals and plants with characteristics and behaviors they do not have in real life and observe plants and animals to describe how they are alike and how they are different in the way they look and in the things they do.

V 1st Grade - Plant and Me

What do all living things need? How do they rely on each other? 1st Graders will get up and dance about plants and perform simulations and observations! They will identify the major parts of plants, recognize that all plants and animals, including humans, need basic necessities and how they closely resemble their parents.

V 2nd Grade - Beans and Butterflies

Through songs and simulations, students observe and describe major stages in the lifecycles of plants and animals, including beans and butterflies.

1st - 3rd Grade - Sail Away with Simple Machines

A simulated pirate ship teaches students the simple machines and how they work. They digest the lesson with a make and take candy cannon treat!

MORE STEM PROGRAMS THAT COME TO YOU! - \$9

V Elementary through High School Creating Environmental Stewards

What can we do about water pollution and over consumption, habitat loss and wildlife population decline? Through simulations, games, experiments and calculations, students will learn our role in conservation and solutions to pollution. Different version for different grades dependent on standards covered.

V High School - Lakeville

Students become a citizen advisory board and organisms in the environment trying to debate their way into a waterway that the advisory board controls. This 2-day program teaches about invasive and native plants and wildlife, research, and resource management.

V High School - YEA for Wetlands

Wetlands and watersheds, bio-Indicators of water quality and water consumption are just a few topics students experiment with and simulate to learn the importance of wetlands and their personal roles in conservation.

Middle-High School - Energizing Ecology

Experiment packed program that is sure to energize your students as they learn ecological principles, energy transfer and climate change and how it is all related. Students learn about food webs, our relationship to mangroves and how planting the right plant in the right place helps to restore valuable habitats for wildlife populations as well as reverse causes of climate change.

MORE STEM PROGRAMS THAT COME TO YOU! - \$9

Satisfying Soils - Elementary through High School

Learn the layers of the earth and how various soils are created, by forces of nature and even living creatures! Soil types are limiting factors for plants. Understanding this helps to understand the vegetation in Florida habitats and how to plant the "Right Native Plant in the Right Place".

SCOUT BADGE PROGRAMS THAT COME TO YOU!

V SpaTacular Science

Put on your safety goggles and lab coats! You will learn how to make natural skin and health care products while you create your own spa package to take home using all natural and plant-based ingredients.

Flower Power

Earn your flower badge through engaging creations and observations. This program completes all of the standards necessary to earn the badge in only a couple hours.

Buggy Bugs!

Did you know that all bugs are insects, but not all insects are bugs? Your scouts will learn this and much more as they explore the world of insects and other creepy crawlies to earn their bug badge!

Programs range from 1 to 2 hours. Cost varies with program time.

FIELD TRIPS YOU COME TO! - \$20

Gardening For All

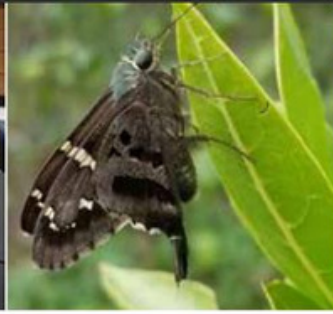
Come get your hands dirty at a partnering garden while learning about sustainable farming practices and the wonderful world of plants! Spend 2.5 hours with us or combine your program with one of the other education programs offered at the park for a full day of farming fun!

Vegetable and Herb Gardening

Experience growing your own food with hydroponics, aquaponics and raised bed gardens. Learn how to plant vegetables and herbs in each garden type and how to propagate plants! Also learn about fish ecology and the best types of fish for aquaculture, and about how these various methods of agriculture are used in the ocean and on land around the world for sustainable food production. Students take home garden starts to grow what they have learned!

Wonderful World of Wiggly Worms and Compost

Wiggle your way through compost and vermicompost to learn about gardening using home-made soil. See how compost and worms enhance hydroponic, aquaponic, and raised bed gardens. Explore decomposition and decomposers, worm farming, collecting compost materials and turning compost, vermicomposting and making a worm bin and "worm tea" and more! Students will make and take a biodegradable pot with plant in compost to take home to continue the lesson.



PROGRAMS THAT COME TO YOU - \$9

V Cry of the Water - Conserving Florida

Hands-on simulations, calculations and games teach about a sea of aquatic habitats and how we personally impact those waters, the wildlife and fishes therein. Students realize that "we are all connected, so we are all affected" and are empowered to change their habits to become water stewards.

Loco for Cocoa

Students will discover the importance of the rainforest and its connection with chocolate. Hands-on activities help teach students about the origin of chocolate and the chocolate manufacturing process. They learn how they can take measures to conserve both the rainforest and chocolate too.

Magic of butterflies

Students are introduced to the concepts of life cycles and the necessary components of habitat. Live examples and hands-on activities help students collect data to create their own butterfly garden!

Upon request for additional fees, students will be taught digging 101 and will plant a butterfly habitat on campus! Price dependent on size of plot and number of plants desired, as well as number of classes participating.

V Many of our programs are also offered virtually, visit www.youthenvironmentalliance.com, virtual interactive page to learn more!

PROGRAMS THAT COME TO YOU - \$9

V Paper, Plastic or Our Planet?

This program in person or virtual, uses media, games and experiments to teach about Plastics and their alternatives. Students explore ways that land-based sources of plastic enter the ocean through the watershed, and in turn, enter our food chain. We will explore our role in plastic consumption, decomposition of materials and non-renewable resources. Once students understand the challenge presented by plastic, they discuss ways that they can choose to live in a more sustainable, plastic-free world.

V Question about Digestion?

If there was any question about digestion before, participants will chyme in with answers after the fun science experiments and simulations they perform. To keep those digestive juices flowing, participants will race through the digestive tract as a wrap up.

V The Sea and Me - Prevent a CO2 Calamity!

Your student global ecologists participate in fun experiments to test hypotheses, learn our role in the environment and food web, learn chemistry and explore oceans and coral reefs by using the scientific method. Upon request, students make an edible coral model for an additional 50c. We also offer this program virtually!

PROGRAMS THAT COME TO YOU - \$9

V Wonderful World of Wiggly Worms

Student "Oligochaetologists" will learn, create and play as they become worm wranglers and sustainability stewards! This program covers topics including decomposition, food webs, habitat requirements, worm anatomy, human's symbiosis with worms, vermipost, gardening, safe handling and the sustainability cycle!

V YEA for Wetlands!

Explores the wonders of water, the water cycle, the function and importance of wetlands and water conservation! Students will do the water cycle boogie and discover the wonders that wetlands provide for wildlife and us!

Zoo Archaeology

Archaeology is where science meets history and math. A perfect practical application for teaching STEM. From three-toed horses to Native Americans and Spanish invasions, the archaeological record tells it all! Gators, raccoons and turtles are just a few of the ecofacts encountered in this exploration of the timeline of the symbiotic relationship between humans and animals.

Cellular Celebrations - \$11/Student

Celebrate cells and organelles through fun experiments and observations. Once participants have learned about plant and animal cells, they digest the lesson with an edible cell model.

PROGRAMS THAT CAN ALSO VENTURE OUTDOORS

V Fishing

This program can come to you or venture to a park. It uses fishing and other related activities as the "hook" to introduce children of all ages to various aspects of fisheries, aquatic environmental sciences, and other vocational opportunities. Choose either a 3-hour experience or a multi-day program. Learn ethical angling, baiting a hook, rigging the pole and how to fish. If at a park or canal, students will go fishing.

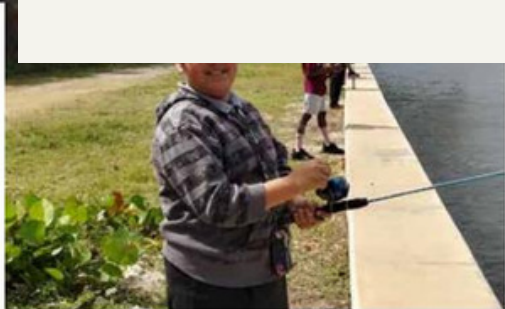
History Under the Sea

Ahoy, me hearties! Dive into the field of underwater archaeology at your facility or on the beach. Dig up the past through mock excavations, examination of pirate's booty, piecing together Spanish galleons and more!

Marvelous Mangroves

Explore the marvels of mangroves, the most important tree in the world! Through games, simulations and identification techniques, students learn about our connectivity in the mangrove foodweb, learn the 3 types of mangroves in FL and who depends on them, learn about erosion control and water filtration and more! As an optional field trip, participate in a mangrove restoration during Project ROC.

Call us to discuss pricing for these programs. Prices vary depending on location and extent of activity. Visit our website for more information and additional programs. www.youthenvironmentalliance.com



PROGRAMS YOU COME TO

Pollinators, Beneficial Insects and Wildlife

Amplify student awareness to symbiotic and ecological relationships that protect our gardens from pests. Explore the fascinating world of insect predation and parasitism. Learn how to perform insect sweeps to survey insect and pollinator populations and learn about lifecycles in terrestrial and aquatic systems. Learn other beneficial wildlife to have around the home and garden landscape.

Fishing for Sustainability!

Learn self-sustainability through a symbiosis with fish, worms and plants. Become ethical anglers and discover how to raise fish and food crops in an aquaponic system. Experience the joy of farming worms to create dirt for gardens, food for fish and a healthy fish dinner for them! This zero-waste cycle is self-sustaining and perpetuating.

Gardening for Pollinators, Birds, and Wildlife!

Tour Florida natural ecosystems and learn how ecological principles can be applied to garden for wildlife and yourself utilizing native plants. Using the aquaponic and raised bed gardens, as well as a natural areas, students will be able to draw comparisons to home and school to garden for wildlife. They will also learn about edible native plants. Students will take home a wildlife plant seedling!

Programs at the garden accommodate up to 60 kids at a time for 2.5 hours of programming. Shorter program options are available at a reduced cost. For larger groups, other program rotations are available. Contact us to discuss.

PROGRAMS YOU COME TO

Hydrological Horticulture

Investigate the technology behind hydroponic and aquaponic gardens on a global level or at school and home. Learn how and what to plant, the nutritional requirements and the benefits of each, with a special focus on sustainability, fish ecology, and water pollution. Students become solar engineers and learn to put together a solar installation. Students should bring an empty water bottle for a make and take hydroponics system .

STEM FIELD TRIP TO PARKS! - \$20

Middle and High school- Marvelous Mangroves at Anne Kolb Nature Center

Boat rides, fishing and plankton oh my! Your Students become Mangrove Ecologists to study mangrove ecosystems from above and below! This multipart, 5-hour program explores mangrove ecology, wildlife, food webs, and more. Students learn why mangroves are the most important forest on the planet and how they are connected to them.

\$20 per student includes:

- Fishing
- Pontoon boat tour through mangroves
- Plankton tow and Microscopes
- Museum tour and Touch Tank and Talk

\$25 includes the Sea Turtle Center – MEEC add-on where students get to visit with a real sea turtle!

STEM FIELD TRIP TO PARKS! - \$20

Creating Environmental Stewards at Hugh Taylor Birch State Park

This 3-Part Experiential program has students fishing and restoring their way towards the understanding of wildlife conservation and habitat reclamation. During this 5-hour trip, Students partake in fishing lessons and fishing, lessons on mangrove ecosystems, habitat restoration, and a nature walk with a lunch break ½ way through the day.

7th Grade-High School - A-Way with Waste

Schedule this all-day program well in advance, it fills fast! Our waste does not go away! During this 3-location field trip, students discover alternative ways of doing a-way with our water and solid waste. During an educational bus ride, we pass by Mount Trashmore and see and smell where most of our solid waste goes. Then we tour a wastewater reclamation facility in Palm Beach and discover during a hike, how reclaimed water can be used to create wetlands and rookeries to restore our Everglades habitats and wildlife populations. Then we travel towards home, stopping at Tradewinds park to learn how we can compost our food and paper waste with and without worms.

BIRTHDAY PARTIES AT A PARK

Wiggly Worms

Worm races

Hold and investigate worms Make and Eat "Worm Dirt"

Make and Take (choose 1):

- Vermipost Starter
- Seed necklaces
- Garden Starter
- Worm Slime

Fishing Fun

Pole to Birthday Angler! Fishing lessons, Marshmallow mouths and more!

Butterflies

Butterfly Garden in a pot to birthday child!
Hold and explore caterpillars. Butterfly explorations.
Make and Take: Mini butterfly gardens

Be a Scientist!

You choose any YEA program and we will make it a birthday Party!

*The cost of field trips off of the school campus does not include transportation.
To include bussing, call to discuss details and associated costs*