



# Weekly Themes

## Summer 2023

### Session 1

June 12 – June 30

### Ocean Quest

July 24 – July 28

### Session 2

July 3 – July 21

### Session 3

July 30 – Aug 18





# Session 1

Eco Warriors, Megalodons, and Super Hero Scientists

## Eco Warriors

**Week 1** June 12 – 16

Hop on board the environmental activism train...join the mission to make this world a better place. Become an Eco-Warrior of the Earth - get out there and cleanup the trash, plant native trees, and learn how to lessen your ecological footprint. Understand the rhythms of nature, the nuances of other creatures and other humans and find ways to show respect, love, and understanding....and then Pay it Forward.

Campers become Global Ecologists as they participate in fun experiments to test hypotheses, learn our role in the environment and food web, learn chemistry, and explore oceans and coral reefs using the scientific method. This fun, hands-on science program is led by Youth Environmental Alliance, a local non-profit providing all-inclusive programs focusing on natural sciences and environmental stewardship.

## Super Hero's and Scientists

**Week 3** June 26 – 30

One does not need super powers to be a super hero! Campers will become engineers, explorers, and storytellers this week, creating their own super-persona, making their own super hero costume or prop and learning about the famous scientists and their discoveries.

Our very own friendly neighborhood Spiderman visits Camp Live Oak. Campers will join Spiderman on an obstacle course and learn all about ethical storytelling.

## Prehistoric Florida: Science in the Fossils

**Week 2** June 19 – 23

Megalodon Sharks, Mastodons and the Mayaimi People– Oh My!!

This week explore the prehistoric beasts that once roamed the south Florida landscape. Let's dig into the world of Paleontology and uncover the bones and fossils of the past as you learn about Florida's larger-than-life history. The Reefs off our beaches are home to some of the oldest beings alive, SHARKS! Campers will explore MODS' Shark Cart, sponsored by Save Our Seas Foundation, learning more about the science of sharks. The Museum of Discovery and Science is a museum focused on science located in Fort Lauderdale.

We will be going on a trip to the Museum of Discovery and Science to learn more about the land before time!

In Art, we will develop skills of the Mayaimi and other ancient people in weaving natural fibers, creating bowls and pots with clay and making our own "cave" paintings. Use your scientific skills to investigate ice ages, the natural history of the area and the migration of plants, animals and humans.





# Session 2

Our Living Seas: From Tidal Zones to the Abyss  
Exploring the Magic of Life in and Around the Oceans.

## The Tidal Zone, Dunes and an Independence Day Parade

**Week 4** July 3 – 7 (no camp July 4th)

Celebrating Independence Day at the Beach!!! Campers will march in our own parade, play and explore the tidal zones, the dunes, and the park trails on a hike with the Park Ranger. Relay races, games, BBQ, snow-cones, and cotton candy is what's in store!

Campers will also learn to slow down and take a good look at their surroundings as scientists. They will gather data on the living creatures found on the beach, answering questions like; Who lives in those holes that sputter as waves pull away from the shore?

## Life in the Deep Abyss, The Gulf Stream and Reefs

**Week 6** July 17 – 21

Water is life, and there is life even in the deepest waters on our planet! Ichthyologists are scientist that study fish- campers will learn about the creatures of the deep, their bioluminescence properties and also about the shallow ecosystems of reefs.

Our oceans are affected by plastic, and the best way to clean the ocean is by preventing plastic pollution in the first place. Our campers will participate in a beach clean-up with 4Ocean. 4ocean is an ocean cleanup company dedicated to ending the ocean plastic crisis. They will be on hand to teach us how to reduce and eliminate as much plastic from our lives as possible.

Build an edible reef system, create your own creature from the deep using UV reactive paints that will glow, and go on a hike led by a park Ranger to discover more about the history of Hugh Taylor Birch State Park.



## Mangroves, Estuary Communities and Me

**Week 5** July 10 – 14

Embark on a kayaking adventure through a maze of mangroves on our field trip to Dania Beach and Johnson-Mizell State Park! After a brief "Kayaking 101" lesson, we will explore the park's mangrove estuary. Learn about how each mangrove species has adapted to survive in saltwater; why these trees are so important to our coastal animals and the world!! and spot many fascinating birds, fishes, reptiles, and more along the way!

Sensational seine netting! Work in teams to catch all sorts of fishes, crabs, and more, in Whiskey Creek and the Atlantic Ocean! Become a wildlife biologist as you learn to identify different species, then compare and contrast which critters you find at each site.

Storm Surge and Sand Castles: It is amazing how wave energy constantly shapes our coastline, but what happens when people decide to build along the beach and a hurricane is coming? Campers will build their own kingdoms and learn about erosion first hand- prizes for best sand structure!!





# Ocean Quest

## Simple Stingers & Treasures of the Sea

**Week 7** July 24 – 28

Exploring the deep blue seas and learning about different marine life is the main focus of our Ocean Quest week. Corals, Anemones, and Jellies! Their stinging cells can sure pack a wallop. Let's learn why! Have you seen a "living castle of the sea"? Discover the world of Metazoans.

Florida is the fishing capital of the world- we will explore why as campers learn about different fish habitat, fish anatomy, including dissecting different fishes and how fish eat.

Create your own silk screen shirt. Bring your mask and snorkel to explore the underwater world. Make stained glass flying fish, learn to canoe and stand-up paddle board; this week is jam packed with aquatic fun!

Our young campers will take a field trip to Gumbo Limbo Park to explore; 20 acres on the protected barrier island provide refuge to wide varieties of plants and animals - some rare or endangered and swim at Red Reef Park. Renowned for being the country's first undersea park, John Pennekamp Coral Reef State Park is where our older campers will go snorkeling and experience the diversity of life our reefs offer.



# Session 3

## The Human Machine and Power of Plants

### The Human Machine

**Week 8** July 31 – August 4

Campers will learn about the human machine with a guest speaker Mr. Hammond, and the Puppet Network. The Puppet Network is South Florida's premier puppet design and producing organization, Mr. Hammond. Jim has been a puppeteer and producer since his first job at 17 and was the puppet master for Broadway's The Lion King; he has over 25 years of experience in the field and will bring his puppets and help our campers learn all about our human machine by creating their puppets.

See how our skeleton supports us as we move by building your own puppet! And talking about bones, did you know that humans have been creating art on bones for thousands of years? Camper will learn about and create scrimshaw art pieces to take home.

From scientists to athletes, we all need to care for our human machine and our guest speakers will give us more information on this. Of course, we will use our bodies to move canoes across the lake, to shoot arrows in archery and to try to catch fish as well. There are so many things we do with our marvelous machines.

### Flower Power - The Amazing Magic of Plants

**Week 9** August 7 – 11

Did you know that the first major extinction event was caused by plants? Do you know that the river of grass we call the Everglades is important to the health of the planet? Florida is a land where water is in no short supply, but what might get into our water?

With a little experimentation, we can determine the health of the water and how the right plants planted in the right place help keep the waters healthy. Climb aboard an air boat as we explore the everglades searching for life among the grasses, trees and other water loving plants. Pack extra shoes—we will be getting wet on a swamp tromp through the grasses, who will we see?

Can you make your own food? Plants do through the power of photosynthesis. Campers will run experiments as Botanists to see how the process works.

Campers will build a hydroponic garden to take home and we will canoe on the lake to investigate the fresh water plants of the park.



### Fun Old Fashion Camp Days

**Week 10** August 14 – 18

Can you catch the biggest fish, smallest fish or strangest fish? Let's see as campers take part in a camp wide Fishing Derby.

Challenge other campers in some of the summer favorite activities; canoe races, Archery Challenges, and Tug O'War!

Campers will create awards in arts and crafts for Best Camp Counselor. Let's end the summer with roasted marshmallows, hot dogs and snow cones!