



Live Oak

Nonprofit 501(c)(3)

Weekly Themes Summer 2022

Session 1

June 13 – July 1

Session 2

July 5 – July 22

Ocean Quest

July 25 – July 29

Session 3

Aug 1 – Aug 16

Session 1

Digging Deep – Discovering Old and Prehistoric Florida

Week 1 June 13 – 17

When dinosaurs roamed the earth, Florida was underwater and many fascinating prehistoric animals and plants existed! Unearth your own fossils by digging into limestone layers to reveal perfectly preserved ancient clams, corals, shark's teeth, brachiopods and other creatures. Work with your fellow geologists and archaeologists to discover what species they might have belonged to. Explore the ocean to find ancient, living creatures like the horseshoe crab that still exist today and link our world to the past! Sculpt your own fossil out of natural materials to take home!

Guest Speaker: Archeology Network

Our Planet – Solar and Wind Energy, Planetary Science and Earth Movement: Summer Solstice

Week 2 June 20 – 24

Campers will discover the importance of the sun, the universe and earth movements! What is a solar collector? How can we capture and use solar energy? Campers will experiment with capturing the sun's energy, heat exchange and photosynthesis. Experiment with heat exchange using variables such as reflectors, covers, water levels, and colors. Create your own sundial and use it! Build and bring home your own planetary mobile!

Fieldtrip: Jungle Queen

The Living Ocean – Life Beyond the Shore – Reefs!

Week 3 June 27 – July 1

Coral reefs are some of the most diverse ecosystems in the world! Discover the many corals and creatures, large and tiny, that inhabit our awesome reefs including seahorses, octopuses, turtles, sea anemones, sea cucumbers, rays, and clownfish (Nemo)! Back by popular demand, dissect a fish. Learn how to save our oceans and protect our reefs. Use your creativity to create your own Ocean in a Bag to take home! Campers will build their own mini reefs and create their own fish prints.

Special Activity: 4th of July Celebration! Dress in your red, white and blue!

Session 2

Night Creatures, Crawlers and Aliens of the Deep! Bioluminescence: Incredible Glowing Sea Creatures!

Week 4 July 4 – 8

Get electrified! Discover the many creatures that live in the dark and their many fascinating adaptations! Learn about glow-in-the-dark animals and organisms, including creatures of the deep: glowing phytoplankton, bacteria, algae, lanternfish, jellyfish, worms, crustaceans, sea stars, fish, and sharks to name just a few. How have land animals adapted to the night? Bats use echolocation, snakes see with infrared, spiders sense vibrations, fireflies light up the night... there is so much to discover! Create your own glow-in-the-dark projects, including glow-in-the-dark monster rocks, and glow-in-the-dark slime! **Fieldtrip: Palm Beach Zoo.**

July 9th - Starlight Sleepover at Birch State Park

Wow! Mangroves and Wetlands!

Week 5 July 11 – 15

There is a whole world waiting to be discovered within the mangroves and wetlands! Did you know that mangroves are some of the most important carbon processors on the planet and hotspots for biodiversity? Visit mangroves and discover how they provide home, nursery and feeding grounds for birds, fish, insects, crustacea, insects, and reptiles. Campers will explore the diverse ecosystems of wetlands. Wow! Use a kick net to catch interesting invertebrates and see what lives in the waterways of Birch State Park! We will be creating our own mangrove and wetland models along with aquatic art projects!

Special Activity: Camp Live Oak Color Field Day!

We are Buddies Tortoises, Frogs and Slinky, Slimy Friends!

Week 6 July 18 – 22

What is the difference between a turtle and a tortoise? Come and find out! Park rangers provide hands-on experience with turtles. Don't forget frogs and their slinky slimy friends, including salamanders and skinks. Learn about the fascinating life cycle of these creatures from egg to tadpole to frog! There are so many different "looks" to our slimy buddies- striped, polka-dotted, fluorescent... create your own versions with art projects and dioramas!

Guest Speaker: Hugh Taylor Birch State Park Ranger

Special Activity: Camp Live Oak BBQ- Cotton Candy/Snow Cones

Ocean Quest: Fins, Floating and Fabulous... Sharks, Whales, Orcas and Predators of the Sea!

Week 7 July 25 – 29

Predator and Prey...the circle of life! How do sharks and other marine life at the top of the food chain fit into the web of life? Learn how these creatures use their keen and phenomenal senses to find their prey. Dissect a dogfish to discover the unique anatomy of a shark and learn how they use smell and different body parts to sense their prey and travel through their environment. Did you know that Orcas ("Killer Whales") travel in pods, and each pod speaks their own "language", while hunting their prey with sound and echolocation? There is so much to discover about these magnificent creatures! Create your own "Predator and Prey" handmade shark tooth necklace and 3-D shark head!

Design your own classic camp Live Oak silkscreen t-shirt!

Fieldtrip: 5-8 year olds - Frost Museum / 9-13 year olds - John Pennekamp

Session 3

Eco Warriors! Recycling and Pollution Solutions

Week 8 August 1 – 5

Join the pollution police! Learn how to test water for pollution and build your own water filtration system! Work together to reduce, reuse and recycle. Create your own projects with recycled materials- birdhouse, bottle cap fish art, water bottle fish, and paper mache planters. Campers learn to keep the beach and park clean and participate in a beach and park cleanup!

Guest Speaker TBA!

Inventing – Physics and Art with Leonardo da Vinci

Week 9 August 8 – 12

Honor the legacy of Leonardo da Vinci by making your own thinking cap and bringing your personal inventions to life, by combining physics and art to create your own masterpiece! Learn about the incredible and dynamic physical attributes of nature and animal life that help plants and creatures to survive and thrive! Leonardo da Vinci used his own observations of birds and nature to create designs for the parachute, the helicopter, and other flying machines and so can you!

Fieldtrip: Manor Lanes Bowling

End of Summer Celebration!

Week 10 August 15 – 16

Enjoy the last two days of camp with friends! Join us as we celebrate in style! Minute to win it games, beach activities, relays, snow cones, trivia, dance party, and more! Lots of surprises are in store including summer swag!