

# Emerald Bay Outdoor Academy

## 5-Day Program Planner

Please complete all of the group information below and select your courses. This will be used to create your Program Schedule which will be sent to you by email prior to your arrival. The student and adult numbers will also help us pre-plan housing.

**Program Planners are due 2 weeks prior to your arrival day.** If your Program Planner is not received by the Monday of the week prior to your arrival, **your courses will be selected for you** as the staff and program schedules require advanced planning.

### Group Information

School Name: \_\_\_\_\_

Number of female youth: \_\_\_\_\_

Grade Level: \_\_\_\_\_

Number of male youth: \_\_\_\_\_

Trip Coordinator: \_\_\_\_\_

*Please advise of any non-binary youth or any gender related housing needs.*

Trip Coordinator Email: \_\_\_\_\_

Number of female adults: \_\_\_\_\_

Trip Coordinator Cell Phone Number: \_\_\_\_\_

Number of male adults: \_\_\_\_\_

### Course Selections (see below for course descriptions)

Core Courses (Students will do all 4)	
Island Biogeography	
Environmental Stewardship	
Kelp Forest Exploration	
Choose your Kelp Forest Exploration Activity:    ___ Snorkel    ___ Kayak    ___ Paddleboard	
All-School Hike to Parson's Beach	

Choose 1 or 2 Labs	
	Oil Spills Cleanup Lab
Ichthyology Lab (Fish Dissection)	Remotely Operated Vehicles (ROV) Lab <i>(Subject to group size and equipment availability – please inquire for availability)</i>
Plankton Lab	

Additional Daytime Courses			
Choose 6 (If 1 lab is selected) or 5 (If 2 labs are selected)			
	Archery		Arrow Point Hike
	Intertidal Zonation		Additional Water Activity: __Snorkel __Kayak __Paddleboard
	Team Building		Additional Water Activity: __Snorkel __Kayak __Paddleboard
	Do It Yourself Course (Chapel, School Time, Etc): _____		
Choose 4 Night Courses & Activities			
	Movie Night		Campfire and S'mores
	Astronomy		Nocturnal Wonderland
	Dance Party		Night Snorkel
	Night Kayak		

**Other comments or information we should know about your group?**

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**Please note the following responsibilities for the Trip Coordinator:**

- Follow all Chaperone Expectations listed on the Adult Waiver Form, as well as the additional items below.
- Assign students into Cabin Groups of 8 (male/female separate) and Animal Groups of two combined cabins. Assign each Animal Group a Catalina Native Animal from the list provided [here](#).
- Document which students passed the Float Test and ensure only those who passed the float test participate in wet courses.
- Emerald Bay will respect and adopt the school's policy regarding use of electronic devices. However, Emerald Bay does not assume responsibility for lost, damaged, or stolen property.
- Alcoholic beverages and/or their consumption are not permitted at any time while staying at Camp Emerald Bay.
- Smoking is only permitted in designated areas and only by adult chaperones.
- Taking photographs should not interfere with courses. During courses, candid photos are permitted however courses should not be interrupted for posed photographs. Posed photos can be arranged outside of course time and the staff will be happy to help facilitate.
- Communicate any needs or potential issues to the Program Director. These may include but are not limited to: youth health or behavioral issues, youth conflicts, schedule or program issues, and staff concerns.
- Fill out the [Special Request form](#) for dietary or medical needs.

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Trip Coordinator Signature

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Date

# Course Descriptions

## Core Courses

### Island Biogeography

Catalina Island provides the perfect backdrop to explore the unique and isolated ecosystems of islands. Students will examine how and why species ended up on the island and how they have adapted to living in their new homes. Island Biogeography also includes a hiking orientation with a 1.5 mile scenic “island stroll” to enjoy the views.

### Kelp Forest Exploration

One of the world’s most productive and diverse habitats, kelp forests are home to diverse and thriving communities of fish, invertebrates, and understory algae. This half-day course allows students to explore kelp from the land and sea. The dry portion of the course includes a visit to the Pennington Marine Science Center touch tanks as well as a land-based lesson on the structure and functions of kelp. The wet portion is an exploration of the kelp forest from a kayak, paddleboard, or with a mask and snorkel. Trip Coordinators will choose their “Exploration Activity” on the Program Planner.

### Environmental Stewardship

Even though we may not see it, our daily lives are increasingly taking their toll on the natural world. Students will participate in a conservation project to benefit Catalina Island and learn ways to be proactive at home and in their communities to reduce their impact on the environment.

### All-School hike to Parsons Beach

Longer programs offer the ability to explore more of Catalina’s interior. During this 2-session course, Naturalists will lead students in a 2 ¼ mile round trip hike to Parson’s Beach to learn more about the native ecosystems of Catalina Island, build kelp forests on the beach out of found natural materials, and participate in a guided reflection.

## Additional Daytime Courses

### Ichthyology Lab

Globally, fish provide food for more than 1.5 billion people each year, but many people have never seen a fish in the wild. In the course, students will identify features and adaptations during a sketching and dissection session of a Pacific Mackerel.

## **Plankton Lab**

They may be microscopic, but phytoplankton are responsible for producing up to 50% of Earth's oxygen. Students will learn how scientists collect plankton from the ocean, will examine and identify plankton under a microscope, and will build their own plankton in a neutral buoyancy competition.

## **Oil Spills Cleanup Lab**

Oil is one of the most widely used fossil fuels. But what happens when oil accidentally spills into the ocean? In this lab, students explore the effects of oil spills on marine environments and work in teams to test various methods used to clean it up and help ocean ecosystems recover.

## **Remotely Operated Vehicle (ROV) Lab**

(Subject to group size and equipment availability – please inquire for availability)

While some say that outer space is the final frontier, others know that our largely unexplored ocean holds many potential exciting discoveries. Students learn about the scientific applications of Remotely Operated Vehicles for marine science and work in teams to test buoyancy and pilot a Sea Perch ROV right off our dock.

## **Archery**

Archery is about focus and concentration. At the archery range students will exercise their growth mindset while practicing and improving skills under the supervision of the range commander.

## **Team Building**

In their Animal Groups, students will be challenged to communicate and collaborate with each other in increasingly difficult activities.

## **Arrow Point Hike**

Enjoy incredible views of the land and sea on a 1.5 mile round-trip hike to Arrow Point. The Arrow Point hike offers students a manageable challenge while practicing growth mindset. Student curiosity is sparked as we observe plants, birds, animals, and more!

## **Intertidal Zonation**

When land meets sea, the changing tide creates dynamic intertidal zones, one of the harshest environments. Taught on the beach and in the Pennington Marine Science Center, students observe first-hand how ocean invertebrates have adapted to survive life on the edge.

## **Additional Water Activities (Snorkel, Kayak, Paddleboard)**

Students will apply growth mindset with their friends as they learn a new skill of snorkeling, paddleboarding, or kayaking in and around Emerald Bay while observing local wildlife above and below the surface of our crystal-clear water.

### **DIY Course**

Schools have the option to use a session to create their own curriculum and lead their own course. This can be used for chapel or other school-specific content.

## **Night Courses & Activities**

### **Astronomy**

Since the dawn of mankind, humans have been captivated by the vast unknown that fills the night sky. Students will model the phases of the moon, learn how to use a planisphere to identify constellations, and take a short hike to observe the night sky.

### **Nocturnal Wonderland**

Catalina Island leads a double life. Students will investigate why some animals wait for sundown to emerge and will go on the hunt to locate some of our nocturnal neighbors around camp while participating in activities that help them learn about nocturnal adaptations.

### **Campfire & S'mores**

Our staff will build your campfire and provide the ingredients for S'mores. From there, your campfire is your time to enjoy with your school however you would like - performing skits, singing songs, or reflecting on your time at Emerald Bay.

### **Movie Night**

After a long day of exploring Catalina Island, allow your students to kick back and enjoy a movie. We will provide a family-friendly DVD or feel free to bring your own.

### **Dance Party**

For those schools with students that still have extra energy at the end of the day, we will set up a dance party with lights and student-appropriate music.

## **Night Kayak**

What is better than paddling underneath the moon and stars? Students will enjoy a tranquil and memorable kayak trip around Emerald Bay while searching for bioluminescence and other nighttime sights.

## **Night Snorkel**

For groups that have completed a daytime snorkel, make a return trip to Doctor's Cove but this time - at night! In addition to the standard snorkel gear, students will also don a glow stick and a dive light for this unforgettable experience. For those students who may not be comfortable with a night snorkel, we will set up a beach campfire so they can enjoy the ambiance with their group!