

2022-23 SCHOOL YEAR

**ELEMENTARY  
PROGRAMS  
GRADES 1 - 6**



**ready to  
learn?**

**LIVING SHORES AQUARIUM**

Educational Programming & Field Trips  
Grades 1 - 6

**LIVING  
SHORES**  
AQUARIUM



# programs



## **Invasive Species** (Grades 1-6)

There is a natural balance and flow of energy within ecosystems. Occasionally, an organism will be introduced to an ecosystem, either intentionally or by accident, that can disrupt the balance and flow. This organism is considered an invasive species. An invasive species is any living thing, plant or animal, introduced to an ecosystem that it is not native to and causes harm. It can spread diseases, overpopulate an area, and even compete for food with native species. This can result in environmental and economic harm in a given area. In this activity, students will get the opportunity to collaborate and choose an invasive species from a teacher-generated list and research how it will negatively affect an ecosystem. As the students conduct their research, they will learn specifically how their chosen species will harm the native species in the area it invades and present their findings to the class. During your visit to Living Shores Aquarium, your students will be able to observe living examples of invasive species while learning about characteristics and damage they have on different environments and species. Students may also present their research and findings to Living Shores staff.

## **Predator and Prey Adaptations** (Grades 1-6)

One of the most important relationships in any ecosystem is the predator prey relationship. This relationship drives the transfer of energy from one living thing to another within food chains and energy webs. Any organism, whether it is considered a predator or prey, has its own unique adaptations that allow it to be successful in its role within an ecosystem. In this activity, students will explore and identify these special adaptations. The students will then apply what they have learned to create their own fictional predator or prey animal to be presented in class. During your visit to Living Shores Aquarium, students will observe, identify and interact with examples of predator and prey animals. They will be able to identify examples of each based on the characteristics they have learned from the activity. Students may also present their fictional predator or prey animal to Living Shores staff.

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## **overview**

Elementary educational programming for grades 1 - 6 is available on Mondays and Fridays with limited mid-week availability during the calendar school year. Programs and group rates are not available during vacation periods or holidays.

When you book a program and field trip with Living Shores Aquarium you will be provided a lesson plan to facilitate to your class in advance, contact with our Group & Education Coordinator, and a trip to the aquarium on your chosen date for hands-on learning!



# programs



## **Schooling Fish Focus: Predator vs. Prey** (Grades 1-6)

Within ecosystems, there is a transfer of energy among the organisms within it. The energy flows through food chains and energy webs as producers are eaten by consumers and consumers eat other consumers. A predator is an animal that consumes other animals to obtain energy. The animal that is hunted and consumed by the predator is the prey. Predator and prey animals serve different roles within an ecosystem. Therefore, they will have specific physical and behavioral adaptations to go along with these roles. An example of a behavioral adaptation used by marine prey animals is schooling. In this interactive activity, students will learn the various reasons fish form schools. They will also experience how and why schooling fish work together to evade predators. Your class will also have an opportunity to create a school of fish that can be displayed within your classroom.

## **Great Barrier Reef Food Chain** (Grades 1-6)

The Great Barrier Reef is the largest coral reef system in the world. It is home to thousands of different species of fish, corals, sharks and several other groups of marine animals. Therefore, it is one of the most diverse and complex ecosystems on Earth. Within this unique ecosystem, there are a vast number of food chains and webs made up of producers and consumers. And, as in any ecosystem, if one component of a food chain is altered the whole food chain or web is affected. In this lesson, your students will learn about the Great Barrier Reef and how the organisms that live within depend on each other for food sources and energy. Using provided examples of food chains, students will investigate when one part of a food chain is altered, how it will directly or indirectly affect the other organisms within it.

## **Otter vs. Lorikeet, Habitat Characteristics** (Grades 1-3)

At Living Shores Aquarium we are proud to have a wide variety of residents that we care for on a daily basis. And among them are numerous representatives of marine life that can be found in both saltwater and freshwater habitats. At the aquarium, you will also find species that live in various habitats that can be found on land. Each of our animals have their own characteristics and adaptations, which allow them to obtain their basic survival needs in their respective habitats. In this activity, your students will compare and contrast the otter and the lorikeet, animals from two different habitats. Students will describe their physical features as well as their habitats. Students will discuss why each animal lives in their respective habitat and the adaptations that allow each animal to survive there. During your visit to Living Shores Aquarium, your students will be able to view our lorikeets and otters while our staff will discuss the habitats of each of these animals as well as several others. We will also talk with the students about the adaptations our residents have that allow them to survive in their respective habitats.

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# program pricing

**\$9.99 per group member / Minimum of 15 / Maximum of 50**

Price and group size applies to all students, teachers and chaperones. All group visits are two hour blocks, the average visit is 1.5 - 2 hours.

To book a program & field trip or for additional questions please visit [livingshores.com/sales](http://livingshores.com/sales) to fill out our Group Contact Form. Looking to book a larger group? Fill out the Group Contact Form!

## add ons

### Pizza Combo

Slice of Cheese Pizza

Apple Slices or Carrot Sticks

Apple Juice, Milk or Water

**\$5 per child/adult**



### Sweet Treat

Small Gifford's Ice Cream

**\$3 per child**



## details

**Lunch options available during public operating days only**

For special arrangements, please visit [livingshores.com/sales](http://livingshores.com/sales) to fill out our Group Contact Form.

During public operating days bagged lunches can be eaten outside on our front lawn or on the bus.