

SHAW OCEAN DISCOVERY CENTRE
2011 - 2012 School Programs



"Appreciated the local focus of the aquarium, great design and layout. Thank you for the friendly and hands-on program!" - Grade 6 teacher



The **Shaw Ocean Discovery Centre** offers a range of environmental education programs focused on the Salish Sea ecosystem. All programs incorporate the school curriculum and are directly linked to grade-specific BC Ministry of Education Prescribed Learning Outcomes.

Preschool & Kindergarten Programs

Adventures of a Crab

Meet Hermie, the hermit crab, as he looks for a new home. Hermie meets some friends along the way and shares facts about food, protection and shelter through storytelling, games and hands-on, hands-wet learning. Please note this program is delivered entirely in the classroom. Includes live animal ambassadors.

Program Length: 45 min

Case of the Mystery Critter

Meet Nellie, the river otter, as she becomes a detective! She takes us on a journey to investigate the case of the mystery critter. Who will the evidence belong to? Meet some friends along the way to help us solve the case. The mystery story is followed by hands-on, hands-wet learning. Please note this program is delivered entirely in the classroom. Includes live animal ambassadors.

Program Length: 45 min



Primary Programs Grades 1 - 3

Habitat Detectives

Investigate three ocean habitats — eelgrass/sandy shores, rocky intertidal and pelagic. Students will go on a guided exploration through these habitats. Along the way, students will learn what animals call these habitats home and what adaptations they have to enable them to live there. This is a junior version of Habitat Heroes.

Program Length: 1 hour

Feeding Frenzy

It's lunch time! What do seastars eat? How does an urchin eat? Students will learn the answers to these questions and explore three consumer types—hunters, trappers and grazers. Through hands-on learning and interactive activities, students will identify consumer types of Salish Sea animals. Some microscope work included.

Program Length: 1 hour

Pod Squad

What is a marine mammal? Join us on a journey to explore which marine mammals live in the Salish Sea. Students will go on to investigate local killer whales, what makes our resident killer whales endangered, and how we can protect them. Interactive activities demonstrate echolocation and photo-identification.

Program Length: 1 hour

"A great fieldtrip experience. We enjoyed an up close and personal view of the Salish Sea that the children loved!" - Grade 3/4 teacher



Come Learn with Us! Prepare to be inspired in our living classroom as we learn about the Salish Sea. Our programs are designed to introduce students to scientific concepts through hands-on, hands-wet learning, activities and living specimens.

Intermediate Programs Grades 4 - 8

Habitat Heroes

Investigate three ocean habitats — eelgrass/sandy shores, rocky intertidal and pelagic. Students will go on a guided exploration through these habitats and learn about the animals that call them home. Focus is on animal adaptations. Students will learn which of these habitats is most threatened and how they can protect it. Conservation concerns affecting Salish Sea habitats will be discussed.

Program Length: 1 hour 15 min

Marine Mammal Stewards

Discover marine mammal biodiversity in the Salish Sea. Students will learn the difference between mustelids, pinnipeds and cetaceans. An exploration of how biologists study local killer whales will be conducted through hands-on activities involving echolocation and photo-identification. This program will address conservation issues that affect marine mammals.

Program Length: 1 hour 15 min

Fish Forensics

A river otter has been caught eating a fish! Students will become biologists and investigate what species of fish the otter was eating. By learning fish anatomy, examining fish scales and discussing fish habitat types, students will solve this mystery. Conservation concerns and sustainable fishing practices will be discussed.

Students will work in teams. Microscopes are used in this program.

Program Length: 1 hour 15 min

Invert-ology

The ocean is a challenging place to live. Discover the spineless wonders of the Salish Sea and how their adaptations allow them to survive. Defense, protection, feeding styles and reproduction will be investigated. This program will also address the effects of human actions on the survival of invertebrates.

Program Length: 1 hour 15 min

"This was a wonderful experience for my students; they learned a lot and it fit well with what we were learning in science."

- Grade 4 teacher



Secondary Program Grade 9 - 12

Marine Invertebrate Zoology

Students will discover the biodiversity of the Salish Sea through taxonomic classifications. A closer look at living and preserved specimens will showcase the characteristics and adaptations of the Phylums Cnidaria, Mollusca, Arthropoda and Echinodermata.

Program Length: 1 hr 30 min





Booking a School Program

Call the Shaw Ocean Discovery Centre at 250.665.7511 or email groups@oceandiscovery.ca.
Book early to avoid disappointment! Please have the following information ready:

- Choice of two dates and times;
- Number of students and adults;
- School address, phone, fax and email.

"Loved the detail and the attention given to each group." - Grade 2 teacher

Program Cost

\$5 (+ tax) per student, minimum \$75 fee + tax.

One teacher is admitted free with every program. For every 5 students (preschool - grade 8), one chaperone is admitted free. For every 10 students (grade 9 and up), one chaperone is admitted free. Other adults are admitted at a rate of \$10 (+tax). Adult chaperones may use their annual passes for admission.

Full payment is expected on arrival. Payment can be made by cash, cheque, debit or credit card.

