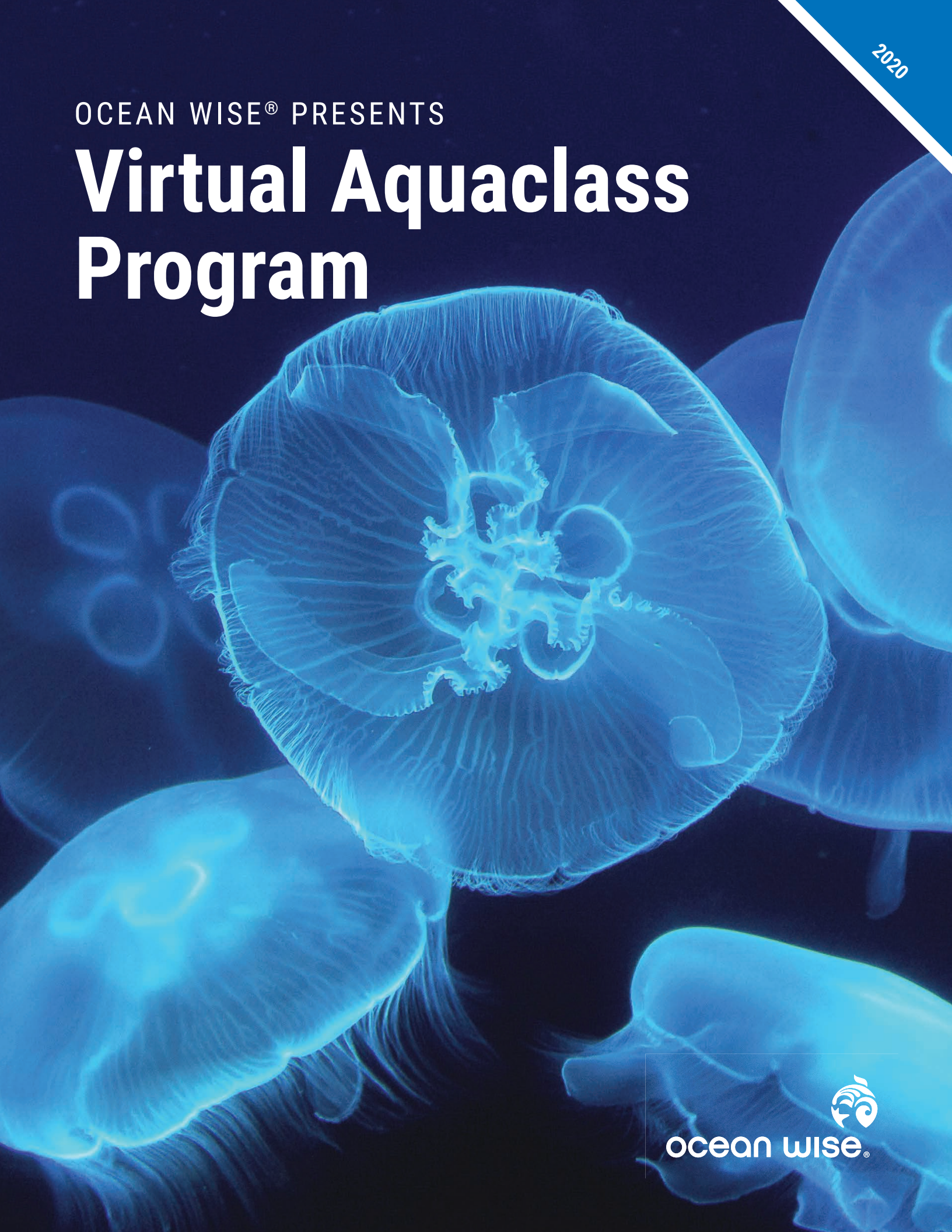


2020

OCEAN WISE® PRESENTS

Virtual Aquaclass Program



ocean wise®

CONNECT STUDENTS WITH THE WONDERS OF THE OCEAN WITHOUT HAVING TO LEAVE THE CLASSROOM.

Students will join one of our expert educators through live video conferencing in an inquiry-based discussion about a topic of your choosing. Using visual props and multimedia resources, students will utilize their creativity and critical thinking to explore the ocean. Core competencies in critical thinking, communication, creative thinking, and responsibility may be achieved through the Virtual Aquaclass Program. Big Ideas differ per grade.

For more information, curriculum connections, or to book your program, please visit vanaqua.org/education

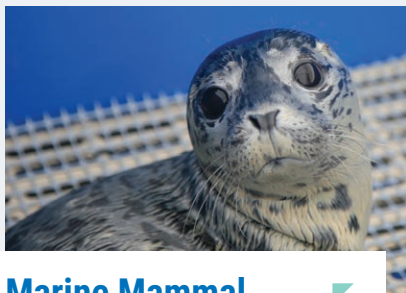
Standard programs are \$45 per 45 minutes session, and include a Q&A time between students and our expert staff.

Choose from our wide variety of programs. Standard programs are customizable upon request, to address specific interest and needs of each class. Standard programs are available in English or French

**Any questions?
Contact us at online.learning@ocean.org**

PREMIUM PROGRAMS

These are exclusive programs that take place off site of the Vancouver Aquarium. Please inquire before booking.

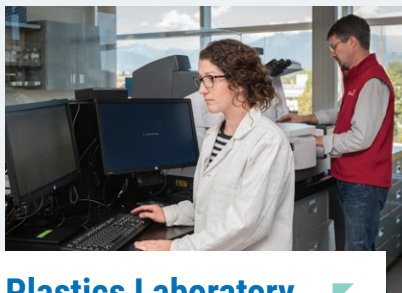


Marine Mammal Rescue Centre

RECOMMENDED GRADES:

Primary, Intermediate, Secondary

The Ocean Wise Marine Mammal Rescue Centre (MMR) is the only team in Canada who can readily mobilize to help a marine mammal in distress. From sea lions to sea turtles, these rescuers do everything they can to save every animal in need. Learn about the rescue, rehabilitation and release process through an exclusive look at the MMR facility.



Plastics Laboratory

RECOMMENDED GRADES:

Primary, Intermediate, Secondary

The Ocean Pollution Research Program is actively working to increase our understanding of microplastics. From microfibers to mussels, this team is exploring the various ways that plastic has infiltrated the ocean and aiding in finding solutions to some of the most pressing problems. Take an exclusive tour in their plastic laboratory to learn about the current research, and how you too can make an impact on the plastic problem.



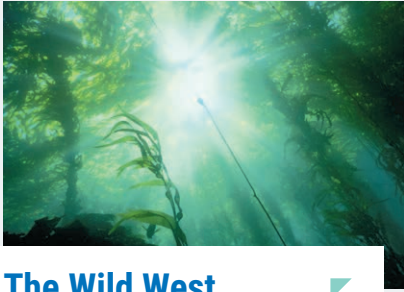
Behind the Scenes Tour

RECOMMENDED GRADES:

Primary, Intermediate, Secondary

For over 60 years the Vancouver Aquarium has been a global centre for ocean education, conservation and research. In this program, participants will get an exclusive look at one of our behind the scenes areas to learn about the active research, conservation and animal care taking place.

STANDARD PROGRAMS

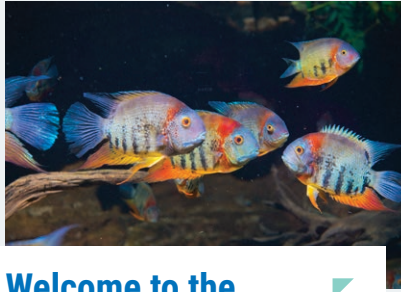


The Wild West Coast

RECOMMENDED GRADES:

Primary, Intermediate, Secondary

Explore how animals are able to survive and thrive in the cold dark waters of Canada's west coast. Meet some incredible invertebrates and examine how their unique adaptations make them successful in their environment. Explore how humans have a role to play in this important ecosystem, and why the ocean is important for every part of our daily lives.



Welcome to the Marine Jungle

RECOMMENDED GRADES:

Intermediate, Secondary

Deep in the jungle of South America, there is the Amazon River, home to a wide diversity of freshwater aquatic life. Set in front of a Flooded River ecosystem, students will be amazed and engaged in this unique program all about what lives in tropical fresh water. Living in tropical freshwater is no easy feat, and in this program we will focus on the challenges a fish faces when living in tropical fresh water.



Introducing Jaws

RECOMMENDED GRADES:

Primary, Intermediate, Secondary

One of the most successful and misunderstood fish in the sea, Sharks have survived for over 400 million years thanks to their incredible adaptations. They are found all over the world, and at every level of the food chain. Challenge misconceptions and discover with your students the wide diversity of sharks. Learn why they are important for the ocean, and how our choices affects the survival of sharks all around the world.

Coral Reefs: Nature's Jungle Gym

RECOMMENDED GRADES:

Intermediate, Secondary

The health of the ocean depends on its foundation, and coral reefs are the one of the most important, and most threatened, building blocks for the ocean. In this program, students will learn about the diversity of life found in tropical waters, and how it is all connected through the delicate balance of food webs and predator-prey relationships.



Inside Nature's Creatures

RECOMMENDED GRADES:

Primary, Intermediate, Secondary

Students will be introduced to the phyla Cephalopoda and the key characteristics that make this group of squids, octopuses, and cuttlefish so spectacular by joining our expert educator for a live squid dissection. Through an examination of the squid's anatomy students will discuss how an animal's adaptation helps them to survive in their environment.

**Dissection specimen may differ based on availability*



Arctic Adaptations

RECOMMENDED GRADES:

Primary, Intermediate, Secondary

Join an Ocean Wise Educator and explore the most extreme environment on the planet, which is home to a diversity of arctic survivalists who are adapted for these intense conditions. Learn about the unique characteristics that enable them to survive, how they may be affected by the rapidly changing climate and how human actions have a positive and negative impact on life all around the planet—even in the seemingly untouchable Arctic.



2020 FEATURE PROGRAMS

These programs have limited availability and French restrictions may apply.



Reptiles and Amphibians

RECOMMENDED GRADES:

Primary, Intermediate

Learn why scientists classify animals, and examine the characteristics that define animal groups by exploring the differences between reptiles and amphibians. Students will utilize their observation and critical thinking skills to identify animal groups. They will explore the survival challenges these animals face by drawing connections between reptiles, amphibian, and even humans.



Camouflage

RECOMMENDED GRADES:

Primary, Intermediate

Now you see me, now you don't! Camouflage is an important survival strategy employed by animals on all levels of the food chain. Explore the different strategies that animals use to camouflage into their environment in order to survive. Students will come to understand that animals come in all different shapes, sizes and colours, and these differences make animals successful in their environment.



Noise Pollution

RECOMMENDED GRADES:

Intermediate, Secondary

Did you know that sound travels 5 times faster underwater? Underwater communication is a useful and powerful tool that has enabled many animals to survive. Join an Ocean Wise Educator at the Vancouver Aquarium to discuss about the questions Ocean Wise Research is asking about noise pollution through an examination of our Beluga Whale research in the Arctic. Explore the impact human activity is having on the underwater world, and come up with creative solutions for a harmonious future.

Careers In Conservation

RECOMMENDED GRADES:

Primary, Intermediate, Secondary

Ocean Conservation thrives when a variety of perspectives, disciplines, and life experiences work together. Join our Ocean Wise educator at the Vancouver Aquarium to chat with a mentor who contributes their skills to ocean conservation in the fields of graphic and exhibit design, food services, aquarist, interpretation, animal husbandry, or engineering.

Penguin Program

RECOMMENDED GRADE:

Primary

What's black, and white, and waddles about? Penguins of course!

Join an Ocean Wise Educator to explore a day in the life of a penguin and the unique adaptations that make these birds so special. Discuss key conservation threats that penguins face, and how our daily actions can impact their future.

