

Beach Explorers

Teacher Information



Photo: Michael Schmidt

Visit the Lumberman's Arch beach at low tide and explore the incredibly diverse and abundant life in the intertidal zone.

Low tide offers us a glimpse at fascinating animals and plants that have adapted to life in and out of the sea. Hunt for crabs, sort seaweeds, and find out what else lives or eats on the seashore, while students discover important human connections to the oceans.

Content	Page
Curriculum Connections	2
Essential Teacher Information	3-4
Beach Explorers Checklist	5
Beach Etiquette for Students	6
Map and Directions	7
Essential Parent Information	8

Phone

School Programs Office: 604-257-6908 ext. 103
School Programs Cell: 236-867-1564

On the Web

www.stanleyparkecology.ca
school@stanleyparkecology.ca

Stanley Park Ecology Society, PO Box 5167, Vancouver, BC, V6B 4B2

Curriculum Connections

Beach Explorers is a place-based program that directly relates to the grade K-7 science curricula. Below, you'll find some big ideas and curricular competencies that will be addressed. You may contact us for a more detailed list for your grade if you wish.

Big Ideas:

Kindergarten

- Plants and animals have observable features
- Daily and seasonal changes affect all living things

Grade 1

- Living things have features and behaviours that help them survive in their environment
- Observable patterns and cycles occur in the local sky and landscape

Grade 2

- All living things have a life cycle
- Water is essential to all living things, and it cycles through the environment.

Grade 3

- Living things are diverse, can be grouped, and interact in their ecosystems

Grade 4

- All living things and their environment are interdependent

Grade 5

- Multicellular organisms have organ systems that enable them to survive and interact within their environment

Grade 6

- Multicellular organisms rely on internal systems to survive, reproduce, and interact with their environment

Grade 7

- The theory of evolution by natural selection provides an explanation for the diversity and survival of living things

Curricular Competencies:

Kindergarten to Grade 7

- Demonstrate curiosity about the natural world
- Make observations in familiar or unfamiliar contexts
- Experience and interpret the local environment
- Express and reflect on personal experiences of place



Essential Teacher Information

Payment

Payment is due a minimum of two weeks prior to your program date. Please make cheques out to the Stanley Park Ecology Society and mark them with your invoice number, school name and program date. A \$25 fee will be charged for all cheques returned NSF.

Cancellation Policy

Our programs are popular and space is limited. Where a cancellation is made less than two weeks in advance, the Stanley Park Ecology Society may retain the full program fee.

COVID-19 Cancellation: If the BC government introduces COVID-19 restrictions that impact our ability to deliver these programs, full refunds will be given.

Be Prepared

Our programs run rain or shine and are held entirely outside. Students will be learning through hands-on activities, getting a bit dirty and possibly wet (especially shoes). Please review the enclosed 'what to wear' list with your students prior to their park visit (see page 8). Due to the variable walking terrain, appropriate footwear is required.

Adult Assistance

We require the assistance of a minimum of two and a maximum of four adults. These adults are invited to participate in all activities and asked to help maintain discipline in the group. Please ensure adults turn off cell phones and refrain from having distracting conversations. Adults are also responsible to help manage the children in physical distancing required for COVID-19 safety.

Arriving for the Program

Please arrive 15 minutes before the program time in order to have a washroom break, snacks and division into groups. If you are running late, please call the School Programs cell phone at 236-867-1564 to let us know. Programs do not stop for washroom and snack breaks as there is no access to facilities during the program.

Continued on following page



Essential Teacher Information

Transportation and Meeting Site

The meeting site for this program is Lumberman's Arch (see map on page 7). There is space for private vehicles and school buses to park.

Photography

We recognize that photos are a great way for classes to document their fieldtrips, and so we allow photos during our programs; however it is our policy at SPES School Programs that no videos are to be taken of/during our programs.

Pay Parking

Pay parking is in effect at all times in Stanley Park. The rates from April 1 - September 30 are \$3.60 for 1 hour or \$13.25 per day per vehicle and from October 1 - March 31 are \$2.60 for 1 hour or \$7.15 per day. Rates are set by the Park Board and are subject to change. Cash and credit cards are accepted at the ticket machines.



Beach Explorers Checklist

To Do Before Beach Explorers

- Read this Teacher Information Package carefully
- Arrange transportation to arrive 15 minutes before your program start time
- Send Essential Parent Information home (page 8)
- Review Beach Etiquette with students (page 6)
- Review 'What to Wear' with students (page 8)
- Send payment a minimum of two weeks prior to your program



Photo: Brian Grover



Beach Etiquette for Students

Stanley Park is a protected area that is home to many amazing living and nonliving things. We are lucky to be able to visit this area, but we must remember that Stanley Park is where these living things make their homes. As visitors to these organisms' homes we should tread carefully and act with respect.

To ensure the best possible experience for students and the Park's plants and animals, please take the time to review these guidelines with students before your Park visit.

1. Bring an open mind and your curiosity.

In our outdoor classroom, we'll engage all of our senses while exploring nature. There will be times for listening to instructions, when students will be invited to raise their hands and ask questions. There will also be times when students are given challenges to complete while exploring or sharing stories with their friends.

2. Take only photos and memories.

Every single leaf, flower, shell, stone and berry is an important part of the web of life in the Park. If we remove items from Stanley Park, we are removing potential shelter and food for living things. Students should leave everything as they find it.

3. Leave only soft footprints (not garbage).

The animals of the Park have all the food they need. Human food can make them sick, create dependence on humans, and lead to aggressive behaviour or overpopulation. Please ask students to ensure all garbage is disposed of properly. Even small crumbs shouldn't be left for animals to find.

4. Explore with respect.

There will be opportunities to gently touch animals on the shoreline in the Park. You might be stroking sea stars, handling crabs or just moving rocks with mussels or barnacles to see them from a different angle. Stanley Park Ecology Society educators will show you how to do so safely. However, birds and mammals like raccoons and squirrels, while cute and often accustomed to humans, should not be touched. These are still wild animals and we want them to stay that way.



Map and Directions



Public Transit Directions:

The walking path from the #19 bus loop is outlined on the map: follow the signs to the Aquarium, but when you see the ocean on your left (to the north), turn towards it. Follow this path down to Lumberman's Arch beach via the tunnel under the roadway.



Driving Directions from Vancouver:

- Travel northeast on Georgia St. past Denman St.
- Take the right lane exit into Stanley Park.
- Turn right at the roundabout, and go under the stone pedestrian bridge.
- Follow Stanley Park Drive. Turn left on Avison way, and go past the aquarium.
- Turn left on Stanley Park Drive to continue along the seawall.
- After you cross the bridge near the concession, angle parking will appear on the right for buses and cars. Simply walk back the way you came along the sidewalk to the meeting location.

For interactive directions, this map is also available at
<http://ow.ly/pUTTS>



Essential Parent Information

Field Trip Date: _____

Your child will be visiting Stanley Park for the Beach Explorers program led by the Stanley Park Ecology Society.

During the Beach Explorers program your child will get an introduction to beach ecology in Stanley Park, where we will explore seashore life through interactive, hands-on activities. The entire program will be held outside, rain or shine. To help make this an exciting and memorable experience for your child, we strongly recommend that he/she wear the following items listed below. We will be walking on a rocky intertidal shore, so sturdy footwear is essential. Your child should be prepared to get a bit dirty and possibly wet, especially his or her shoes! If it is raining on the day of the program, it is especially important to dress then well to keep the field trip fun.

What to wear and bring to the Beach Explorers program:

- T-shirt, long sleeved shirt and sweater.
- Long pants - no dresses please!
- Good walking shoes that you don't mind getting wet or muddy. NO flip flops or sandals!
- If sunny: sunscreen and hat.
- If raining: waterproof jacket with hood or hat.
- If cold: warm gloves and a hat.
- Refillable water bottle.
- Please, no umbrellas! In a large group, umbrellas can block the view for your child's classmates and can accidentally poke someone in the eye.
- Avoid clothes made of cotton on rainy days. Cotton can be very cold when wet. Wear wool or synthetic clothes whenever possible.

In addition to school programs, the Stanley Park Ecology Society also offers fun, interactive forest and wildlife walks as well as online programs for families and adults.

Visit us at www.stanleyparkecology.ca for more information about the work of the Stanley Park Ecology Society and becoming a member.

