

Mossom Creek Teacher Package



Spring 2019

We are excited that your class will be joining us for an educational adventure at Mossom Creek Hatchery and Education Centre. As with any field trip, being well prepared is the easiest way to ensure an enjoyable experience.

Before arriving, please take some time to review the following key pieces of information that will help you plan your day and enjoy your ed-venture to its fullest potential.

Mossom Creek Hatchery and Education Centre

General Information info@mossomcreek.org

Program Coordinator programs@mossomcreek.org

Phone (604) 492-2910

Physical Address: Mossom Creek Drive (take gravel access road)

Mailing Address: 300 loco Rd, Port Moody, BC V3H 2V7

2019 School Programs

Program Descriptions	Curriculum Connections
<p style="text-align: center;">Creature Features (1.5 hours) Grades: K--3</p> <p>Explore the patterns of how plants and animals change throughout their lives and the features that make these creatures unique!</p>	<p>K: Plants and animals have observable features</p> <p>1: Living things have features that help them survive in their environment.</p> <p>2: Living things have life cycles adapted to their environment</p> <p>3: Living things are diverse, can be grouped, and interact in their ecosystems.</p>
<p style="text-align: center;">Water bug Workshop (1.5 hours) Grades: 1-3 (2 hours) Grades: 4-7</p> <p>Explore how water shapes where we live and get up close with the cool creatures that live their whole lives underwater.</p>	<p>K: Plants and animals have observable features</p> <p>1: Living things have features that help them survive in their environment.</p> <p>2: Living things have life cycles adapted to their environment</p> <p>2: Water is essential to all living things. Forces influence the motion of an object.</p> <p>3: Living things are diverse, can be grouped, and interact in their ecosystems.</p> <p>4: All living things sense and respond to their environment.</p>
<p style="text-align: center;">Adaptation Station (2 hours) Grades: 3-7</p> <p style="text-align: center;">Uncover the clues and figure out how animals have adapted to our wild, wet rainforests.</p>	<p>3: Living things are diverse, can be grouped, and interact in their ecosystems.</p> <p>4: All living things sense and respond to their environment.</p> <p>5: Multicellular organisms have organ systems that enable them to survive and interact with their environment.</p> <p>6: Multicellular organisms rely on internal systems to survive, reproduce, and interact with their environment.</p>
<p style="text-align: center;">Ecosystem Explorers (2 hours) Grades: 3-7</p> <p>Become part of a food web and experience the struggle to survive as ecosystems change throughout the seasons and over time.</p>	<p>3: Living things are diverse, can be grouped, and interact in their ecosystems.</p> <p>4: All living things sense and respond to their environment.</p> <p>5: Multicellular organisms have organ systems that enable them to survive and interact with their environment.</p> <p>6: Multicellular organisms rely on internal systems to survive, reproduce, and interact with their environment.</p>
<p style="text-align: center;">Salmon Forests (2 hours) Grades: 4-7</p> <p>Uncover the connections between trees, insects, animals, and the air we breathe as we take a look at the incredibly interconnected world of the forest.</p>	<p>3: Living things are diverse, can be grouped, and interact in their ecosystems.</p> <p>4: All living things sense and respond to their environment.</p> <p>5: Multicellular organisms have organ systems that enable them to survive and interact with their environment.</p> <p>6: Multicellular organisms rely on internal systems to survive, reproduce, and interact with their environment.</p>
<p style="text-align: center;">Inside – A – Fish (2 hours) Grades: 4-12</p> <p>Get hands-on as we dissect and explore the organ systems of pacific salmon and compare our parts to theirs.</p>	<p>4: All living things sense and respond to their environment.</p> <p>5: Multicellular organisms have organ systems that enable them to survive and interact with their environment.</p> <p>6: Multicellular organisms rely on internal systems to survive, reproduce, and interact with their environment.</p>

Booking Information:

Once a Mossom Creek staff member has confirmed your booking with you, an invoice will be created and sent to the primary contact email you provided during the booking registration process. If your school administration is handling the financial matters relating to your booking, please forward the invoice to the appropriate personnel to ensure it is handled in a timely manner.

Program payments can be made in:

Cash

Cheque (made out to Burrard Inlet Marine Enhancement Society, BIMES)

E-transfer to info@mossomcreek.org (to Burrard Inlet Marine Enhancement Society, BIMES)

Upon receiving your confirmed booking, please be sure to communicate the date and time of your upcoming field trip with your school, volunteers, and transportation services.

Program Overview:

Every program follows a similar outline as shown below, the specific activities vary between grade levels and program goals.

Introduction (10 min)

- > Welcome and history of Mossom Creek
- > Exploration expectations and rules

Program Activities (50-80 min, depending on grade level)

- > Hands-on skill building
- > Forest and/or stream discovery

Hatchery Exploration (20 min)

- > Explore fish habitat components
- > Visit and feed juvenile salmon

Questions & Goodbyes (10 min)

Planning: What to Bring

What to Wear

Our programs are hands-on and take place in the fabulous rainforest surrounding the hatchery. **All programs take place outside in all possible weather conditions** (unless the weather is unsafe due to high winds, flooding, or snow warnings) so dressing appropriately is essential. Waterproof shoes, warm layers, and waterproof outerwear is strongly recommended.

We suggest that you take time with your class, a few days prior to your scheduled field trip, to examine appropriate clothing choices for the worst parts of the upcoming weather forecast. This is a great opportunity to integrate critical thinking with responsibility, real life consequences, and planning ahead.

Snacks & Water

Snacks and lunches are essential for a healthy body to learn. As part of your “What to Wear” planning, we suggest discussing field trip friendly snacks with you class. This includes food items that are easy to eat, do not require heating or utensils, and have minimal waste.

Our facility is proudly waste free and therefore all participants are required to pack out any waste associated with their snacks. Compostable materials such as apple cores, banana or orange peels cannot be left onsite as they attract wildlife into the educational areas of the forest. As an example, yoghurt is not recommended as a field trip friendly snack as the cup and spoon are sticky and wet, whereas a granola bar or sandwich is easy to eat with one hand and has minimal waste to bring home.

Activity ideas:

- * Drawing what it would look like to be prepared for different weather conditions.
- * List of things you need to pack the night before (student made checklist)
- * What are field trip friendly snacks (zero waste, easy to hold and eat)
- * Where’s my water bottle

Use the “What Animals Wear” and “What I should Wear” Activities sent with this package for an easy pre-trip activity to ensure everyone is dressed for success in the forest.

Planning: How to get here?

Address: 12 Mossom Creek Dr, Port Moody, BC V3H 2X3

Mossom Creek Hatchery and Education Centre is located just north off of loco Rd at 12 Mossom Creek Drive. Our hatchery and education facility is fully accessible via Mossom Creek Drive, past the entry gates and up the gravel road.

School buses (full sized and smaller) can access our facility and parking area. The road is maintained by the city and the parking area has been created specifically for buses to be able to turn around and park in. Please reassure your bus driver that the road and facility are bus friendly.

Parent/ Teacher / Volunteer Drivers are welcome to transport students to the facility and parking is available in 2 lots. The upper lot, closest to the hatchery, has room for 10 vehicles, while the lower lot (approximately 100m from the upper lot) has room for another 15-20 vehicles.

We ask that drivers who are only dropping off students (not staying for the program), park in the **lower** parking lot while unloading students. This ensures the upper lot remains safe for students and vehicles as there is no easy turn around if the upper parking spaces are full.

Public Transportation is available along loco Rd; however, the bus can only carry 24 passengers therefore seating is not guaranteed. Additionally, the public buses are often delayed due to traffic and construction. We do not recommend using public transportation to attend programs.

Planning: Being Onsite

Parent Volunteers:

One Mossom Creek staff member will be onsite and leading the program. We recommend bringing at least two other adults, in addition to yourself, to help supervise. Please be sure to request volunteers ahead of time as per the needs of your students.

These volunteers are expected and encouraged to engage with the students, help circulate props and materials, and contribute to the active supervision of students.

Washrooms:

The Mossom Creek Hatchery and Education facility is located in an ecologically sensitive area and does not have access to the city sewage system. To promote responsible waste treatment we encourage all staff or visitors to use the well maintained outhouse located next the centre.

There are two wheelchair accessible washrooms available onsite for those visitors requiring more sufficient facilities. These washrooms drain to a holding tank below the building that requires special waste removal and therefore we try to minimize unneeded usage.

Snack & Lunch Breaks:

We often provide time within the program for students to stop for a snack and to rehydrate. As we are in the forest during our programs, please be sure to review “field trip friendly snacks” with your class. Compostable materials such as apple cores, banana or orange peels cannot be left in the forest as they attract wildlife into the educational areas of the forest.

Animal Encounters:

Mossom Creek provides an essential wildlife corridor to our local wild neighbours, creating a continuous quiet and forested pathway between the upper mountain and the waterfront. With any exploration in the wild, animal encounters during our program are possible. We suggest discussing trail safety with your class prior to arriving; giving special consideration to the consequences of not: sticking together as a group, remaining behind the leader to avoid accidental encounters, and ensuring we pack out what we pack in.

Allergies or Emergencies:

Please be sure to review your classes medical concerns prior to the day of your trip. Our program leaders are trained in general first aid and carry first aid kits with them during programs. In the event on an emergency, our location is readily and easily accessible by emergency vehicles.

The closest hospital is Eagle Ridge Hospital, located at 475 Guildford Way, Port Moody, BC V3H 3W9

Things to Come!

We are creating new resources for Spring 2019 that will help further connect your ed-venture to your in class learning, including: pre and post activities that bridge field trip activities with your class curriculum.

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