

DISCOVERING THE SALISH SEA

Grades and Subjects:

- Grades 2/3
- Science



BACKGROUND

Science provides opportunities for us to better understand the natural world. Through science, we ask questions to grow our collective scientific knowledge.

Students will choose an endangered sea creature local to Átl'ka7tsem / Howe Sound and make a poster. The poster will include artwork and a written message. The end goal is to spread awareness by sharing the poster.

BACKGROUND CONT.



Science (Grades 2/3):

- **Big Ideas:**
 - Living things have life cycles adapted to their environment
 - Living things are diverse, can be grouped and interact with their environment
- **Curricular Competencies:**
 - Demonstrate curiosity and a sense of wonder about the natural world
 - Suggest ways to plan and conduct an inquiry to find answers to their questions
- **Content:**
 - Similarities and differences between offspring and parent
 - Biodiversity in the local environment
 - First Peoples use of their knowledge of lifecycles and ecosystems

Core Competencies:

- Through their communication, students acquire, develop, and transform ideas/info and make connections with others to share their ideas
- Through their thinking, students take subject-specific concepts/content and transform them into a new understanding

PRE-ACTIVITIES



YouTube Videos:

Saving Howe Sound | Ocean Wise -Ocean Wise

- <https://www.youtube.com/watch?v=luK9YpUge5M>

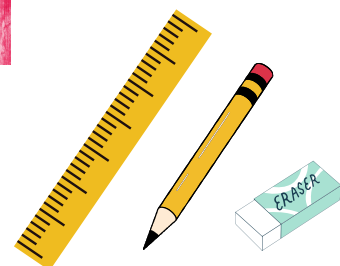
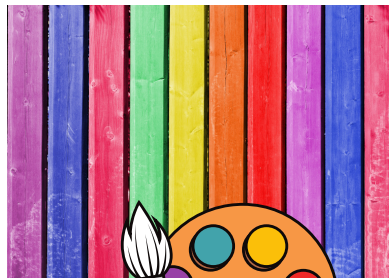
A UNESCO Biosphere Region for Atl'ka7tsem/Howe Sound -Bob Turner

- <https://www.youtube.com/watch?v=IVUo5vy5wu0&t=4s>

MATERIALS



- Poster paper
- Pencils
- Erasers
- Rulers
- Paints
- Colouring markers
- Sharpies
- Lap-tops
- Books on local endangered species.



PREPARATION

Book ahead with the **Nicholas Sonntag Marine Education Centre (NSMEC)**:

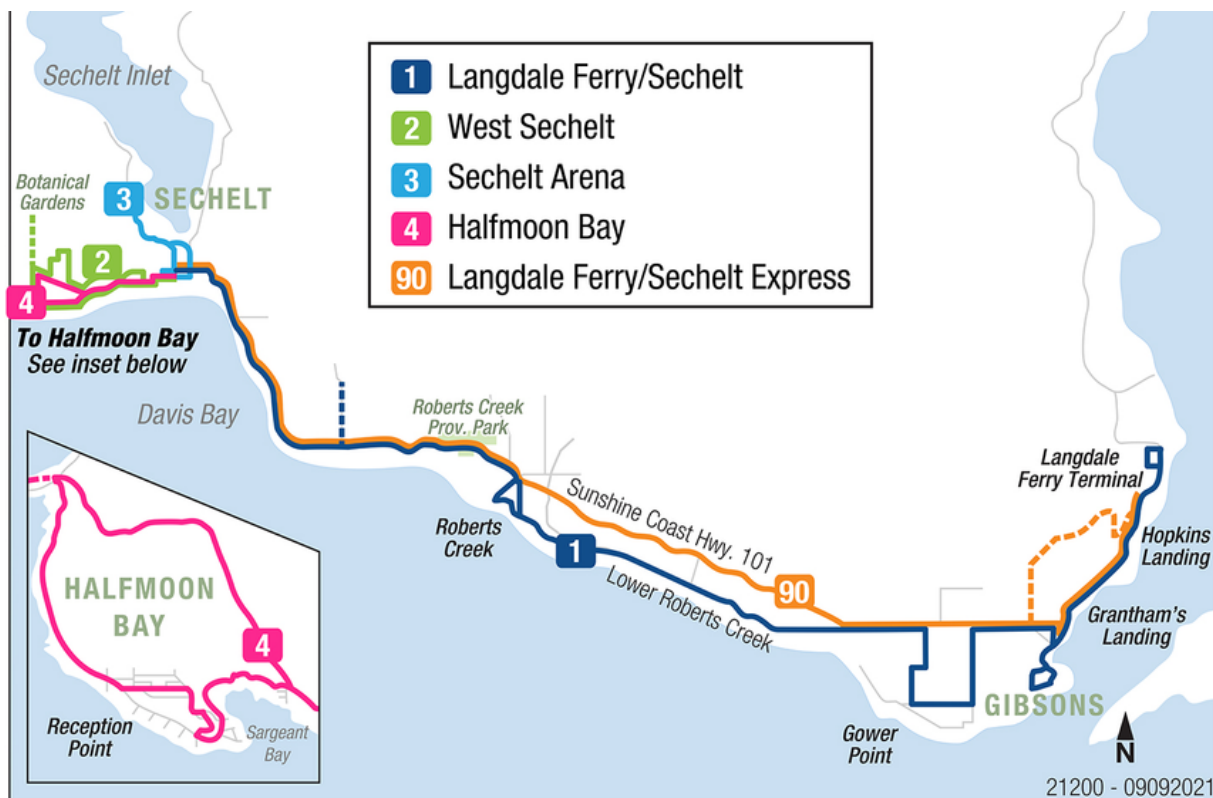
- 473 Gower Point Drive, Gibsons Public Market.
- A 1200 square foot aquarium with 30 habitats of locally collected marine life (70+ species). Examples of past habitats include; Slow & Stealthy Predators, Deep Sea, Cave Dwellers, The Breakwater, Under the Dock, Biodiverse Community, More than a Summer Feast, Colours & Camouflage, Rockfish Conservation Area, and Salish Seascape.
- Program Offered: **Discover The Salish Sea**
 - Grade: All grade levels
 - Length: 1 – 1.5 hours
 - Cost: \$139 – 189
 - This program is a classic aquarium field trip! Students will have free time to explore the aquarium and meet our many Salish Sea creatures. Our marine educators will lead students in some grade appropriate learning activities and dive deeper into learning about a special marine animal or topic.

ACTION



Getting to the NSMEC:

- Sunshine Coast Transit System:
 - Express Bus #90 to Lower Gibsons Marine Drive Bus Shelter
 - 10 tickets \$18
 - Children 6 – 12 are free
 - Then walk to the NSMEC from there



ACTION CONT.



1. Upon arrival, have students eat their snacks/use the bathroom while teachers organize with the NSMEC staff **(20 min)**
2. After snack, students will take part in the Discover the Salish Sea Program **(60-90 min)**
3. Once the program ends, students will have time to eat their lunch **(20 min)**
4. Students will have free time to investigate some of the different creatures and think about what they would like to include in their posters **(30 min)**
5. Clean up and depart NSMEC **(15 min)**
6. Travel back to school
7. Debrief the day with students in circle - students share out something they learned or were surprised by **(15/20 min)**
8. Students given time to create their posters **(60 min)**

CLEAN SWEEP



Rubric: (out of 20)

- Artwork /5
- Endangered Species /5
- Message /5
- Sharing Poster /5

BRANCHING OUT



- Students can go on a gallery walk of all of the posters
- Individual students will explain their posters to the entire class

This lesson plan was originally developed by Deb Verbeeten as a part of Summer 2022 in EDUC 452 at SFU. It was edited by Marlee Hamilton and Hannah Patterson. Our collection of lesson plans is intended to help educators and students become more connected with the local communities, environment, and other-than-human beings of Átl'ka7tsem / Howe Sound located on the traditional, unsundered, and stolen lands and waters of the Sḵw̱x̱wú7mesh (Squamish), səl ɪlwətaʔt (Tseil-Waututh), and xʷməθkʷəyəm (Musqueam) peoples.