



bmsc

BAMFIELD MARINE
SCIENCES CENTRE

Bamfield End of Unit Field Trip Schedule (Friday – Monday)

Day 1

4:00pm – Arrive at BMSC, check into Whale Lab, settle into accommodations

5:00pm – Tour of campus and safety orientation (Meet in the traffic circle)

6:00pm – DINNER

7:00pm – Field Trip: Temperate Rainforest Ecology

Atmospheric Science and Climate

- Interaction of water, air, and energy creates weather and biomes.

Oceanography and the Hydrosphere

- Ocean acidification

Day 2

7:30am – BREAKFAST

8:30am – Field Trip: Ocean Surveying aboard the Barkley Star Research Vessel

. Oceanography and the Hydrosphere

- Ocean currents are dependent on salinity, temperature, and density.

- Oceans and lakes influence local and global climates

- Use of remote sensing and direct observation to determine the properties of the ocean and ocean floor

10:30am – Field Trip: Oceanography and Plankton Collection

Oceanography and the Hydrosphere

- Ocean currents are dependent on salinity, temperature, and density.

- Oceans and lakes influence local and global climates

- Use of remote sensing and direct observation to determine the properties of the ocean and ocean floor

12:30pm – LUNCH

1:30pm – Field Trip: Intertidal Exploration at Brady's Beach

Oceanography and the Hydrosphere

- Formation of sea stacks - tide pools

6:00pm – DINNER

Day 3

7:30am – BREAKFAST

8:30am – Hike to Kiix'in with Huu-ay-aht guide (5500 year old village)

First Peoples knowledge of climate change and interconnectedness as related to environmental systems

12:30pm – LUNCH

1:30pm – Lab: Plankton and Analysis of Oceanographic Data

Oceanography and the Hydrosphere

- Ocean currents are dependent on salinity, temperature, and density.

3:00-4:30pm – Lab: Ocean acidification and Climate Change

Atmospheric Science and Climate

- Interaction of water, air, and energy creates weather and biomes

Oceanography and the Hydrosphere

- Water sources are affected by climate change

4:30 – FREE TIME – Presentation Prep

6:00pm – DINNER

7:00pm – Environmental Concern Presentations at the RIX (Inquiry project ongoing throughout the unit)

Day 4

7:30am – BREAKFAST

9:00am – Pack up and leave Bamfield