



Dear Parents and Students,

Sir Robert Borden is partnering with West Carleton Secondary School to offer the opportunity for students to visit the Huntsman Marine Science Centre in St. Andrew's, New Brunswick, to study marine biology. This trip is being offered to next year's senior (grade 11 and 12) students and is planned for **Sept. 15-21, 2019**.

This trip is designed to provide students an immersive experience in the marine ecosystem, where they will gain almost 20 hours of lab and fieldwork. Activities will include specimen collection, research, species identification and data analysis techniques. Topics include general biology, ecology, physical oceanography, and the management of ocean resources.

We will work out of the Huntsman Marine lab, as well as in the Fundy Tidal Zone, or on their research vessel. In addition, a whale watching tour into the Bay of Fundy from Grand Manan Island is included where we will have the chance to see harbour porpoises, white-sided dolphins, minke whales, right whales, and finback whales (the second largest species on earth).

The cost is **\$1160.00** per student and includes:

- Return luxury highway coach transportation between Ottawa and St. Andrew's
- 4 nights accommodation, all meals, and programs at the Huntsman Marine Science Centre
- 1 night accommodation and 3 meals at Whale Camp on Grand Manan Island
- Four hour whale watching tour in the Bay of Fundy from Grand Manan Island

Students are responsible for providing their own lunch and dinner for the first day while travelling on the bus.

An **initial deposit of \$500** (Paid online) and a **second payment for \$660** (dated for September 13) are required and will be on a first-come first-served basis. *There may be some cost adjustments to the trip based on student numbers, which will be communicated to you in a timely fashion, if necessary.*

A meeting will be organized early in September to review the itinerary, clothing needed, and questions that you may have.

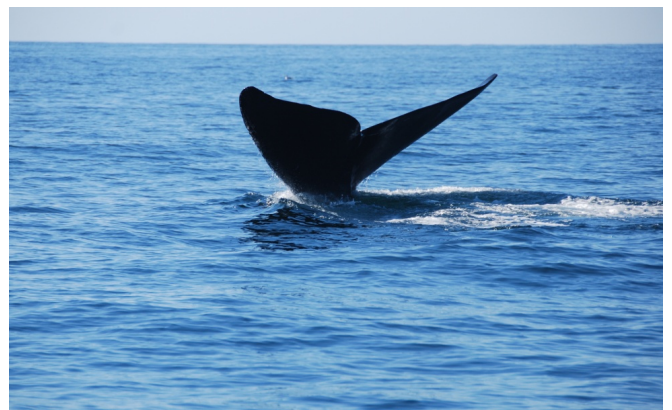
A trip information package with all the details will be provided. The itinerary is included below as well as links to the Huntsman Marine Centre, Whale Camp and Sea Watch Tours.

If you have any questions, please do not hesitate to contact me at Katherine.birrell@ocdsb.ca

Sincerely,

Katherine Birrell  
Science Department  
Sir Robert Borden High School

<https://www.huntsmanmarine.ca/>  
<http://www.whalecamp.com/>  
<http://seawatchtours.ca/>



## West Carleton & Sir Robert Borden Itinerary - 2019

### Arrive September 15<sup>th</sup> – late

	September 16th	September 17th	September 18th	September 19th	September 20th
	Monday	Tuesday	Wednesday	Thursday	Friday
<i>Low Tide</i>	08:01 1:20m	08:34 1:2m	09:08 1:3m	09:44 1:5m	10:26 1:6m
<i>7:30am</i>	<i>breakfast - AH</i>	<i>breakfast - AH</i>	<i>breakfast - AH</i>	<i>breakfast - GM</i>	<i>breakfast - AH</i>
	Arrive Introduction Boat – G1 Plankton – G2 Discovery Aq - G3	Lab: Invertebrate Identification Presentation: Lobster?	Field Trip: Ferry to Grand Manan	Field Trip: Island Industries	Formal Labs: Invertebrates Behaviour Experiments
<i>12:00</i>	<i>lunch - AH</i>	<i>lunch - AH</i>	<i>pack lunch - AH</i>	<i>lunch - GM</i>	<i>lunch - AH</i>
	Boat – G2 Plankton – G3 Discovery Aq – G1	Field Trip: Indian Point Lab: Echinoderms	Whale & Seabird Watch	Ferry back to mainland	Town time 3pm Kahoot Quiz
<i>5:30pm</i>	<i>supper - AH</i>	<i>supper - AH</i>	<i>supper - GM</i>	<i>supper - AH</i>	<i>supper - AH</i>
	Open Huntsman	Talk: Whale Identification Huntsman	Talk: Whale Research Grand Manan	Back late Huntsman	Depart Bus
<i>overnight</i>					