

# Curriculum Enrichment Program

## Snorkel Experience

**\$778.00 (20 student maximum)**

This unique experience will bring students face-to-face with Bermuda's coral reef ecosystems, beginning with a Bermuda fish and coral identification exercise. This is a 3-hour tour including boat rental, snorkel gear and an experienced guide.

## Nonsuch Island Excursion

**\$778.00 (20 student maximum)**

Journey to Nonsuch Island, considered a "Living Museum", the island is full of stories of exploration and ecological restoration. The island is home to many endemic and native flora and fauna, including the nesting grounds of the endangered Bermuda Petrel, the Cahow. This excursion includes boat transportation, guide, and snorkel gear rental.

## Adventures in Plankton

**\$513.00 (20 student maximum)**

Students will learn about the roles and importance of phytoplankton and zooplankton in marine ecosystems. They will participate in a plankton tow aboard the R/V Stommel and learn the process of net deployment and retrieval. Collected samples are brought back to the laboratory for examination under microscopes, with various species identified using local ID manuals.

## Climate Change Workshop (Boat/Lab Investigation)

**\$835.00 (with boat) /\$456.00  
(20 student maximum)**

Scientists at BIOS are actively researching how Earth's climate is changing. This introductory lecture will focus on exploring climate change research from ocean circulation patterns to physiological effects in organisms. Following the lecture there is the opportunity to participate in a climate change field or laboratory experience. The workshop runs for 4.5 hours.

[www.bios.edu/education/bermuda-teacher-programs-resources/](http://www.bios.edu/education/bermuda-teacher-programs-resources/)  
[www.bios.edu/education/curriculum-enrichment-program](http://www.bios.edu/education/curriculum-enrichment-program)  
email [oa@bios.edu](mailto:oa@bios.edu) or phone 441-297-1880 x259

### **Nunnemacher Reserve**

**\$228.00 (20 student maximum)**

This 3-hour experience will involve a discussion about Bermuda's endemic and native flora, followed by hands-on forest restoration work in BIOS's Nunnemacher reserve culling invasive species and planting native and endemic plants.

### **Marine Debris Workshop at Whalebone Bay**

**\$228.00  
(20 student maximum)**

Students will learn about how marine debris is negatively impacting our planet both locally and globally. This 3-hour experience will involve a beach clean-up at Whalebone Bay as part of BIOS's ongoing partnership with the Marine Debris Taskforce.

### **Operation Seagrass**

**\$778.00 (20 student maximum)**

This 4-hour experience will highlight seagrass habitats and the multitude of flora and fauna that inhabit them, including a discussion about the green sea turtle. Students will board the R/V *Stommel* to explore seagrass habitats at Bailey's Bay.

### **The Lionfish Invasion**

**\$778.00 (20 student maximum)**

BIOS scientists are actively investigating the invasive lionfish from the shallows to the mesophotic reefs of Bermuda. In this 4-hour excursion students will learn about BIOS's research activities surrounding the lionfish and how this fish is impacting Bermuda's marine habitats. Students will then board the R/V *Stommel* for a snorkel expedition.

### **The Golden Rainforest (seasonal)**

**\$778.00 (20 student maximum)**

Students have the opportunity to learn about this unique drifting habitat and the currents that drive it. In addition, participants will gain insight into what tools BIOS scientists use to investigate the Sargasso Sea. During this 4-hour experience, students will board the R/V *Stommel* to collect Sargassum and bring it back to BIOS's lab facilities for analysis.

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## Ocean Academy Field Trip Grant

Name: \_\_\_\_\_ School: \_\_\_\_\_

Preferred date(s) of visit: \_\_\_\_\_ Year group/s: \_\_\_\_\_

Preferred Field Trip: \_\_\_\_\_ # of students (maximum of 20): \_\_\_\_\_

1. Please explain how students in your class will benefit from an experience at the Bermuda Institute of Ocean Sciences (BIOS):

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2. Please denote your grant request: \_\_\_\_\_

3. Please describe why field trip fees are a barrier for your school: \_\_\_\_\_

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3. Will you be able to participate on a partial scholarship (y/n)? \_\_\_\_\_

4. How will this field trip experience at BIOS benefit your curriculum? \_\_\_\_\_

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