

Why choose BZS Education Classes?

Field trips and experiential learning activities help enhance student learning. Give your students every opportunity for subject mastery by incorporating BZS Education Classes in your lesson plans.

Each class is created especially with the Bermuda Schools curriculum in mind, making your job that much easier.

Plus, teens simply adore our classes, some of which include fantastic animal encounters and other hands-on-learning activities - and that makes you a star!

Classes must be booked at least two weeks in advance. They can also be customised, but this requires a minimum of three weeks notice.

For more information or to book a session with your class, please contact our Education Department.

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The BZS research and outreach vessel, *RV Endurance*, is our very own floating classroom for conservation education, and is able to take students anywhere on our coral reef platform.

Explore North Rock with a personalised a snorkeling adventure, or stop in local bays to find foraging sea turtles - it is perfect for educational trips of all kinds! We believe that immersing students in our pristine marine environment energises and excites them about our island home.

RV Endurance is captained by Nigel Pollard.



BERMUDA ZOOLOGICAL SOCIETY
support charity for
BERMUDA AQUARIUM, MUSEUM & ZOO

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**EDUCATING TOMORROW'S
ENVIRONMENTALISTS**



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Educational Classes

Senior School

CLASS LIST

WITH COURSE & CURRICULUM LINKS

Using Taxonomic Keys

- Biology I: Module on Biodiversity (Senior School Science)
- Demonstrate how a taxonomic key is used to group and identify organisms.

Characteristics Of Vertebrates

Cambridge IGCSE Biology - Section I: Characteristics and Classification of Living Organisms

- List the main features of the following vertebrates: bony fish, amphibians, birds, reptiles and mammals

Food Webs, Energy Flow & Ecological Pyramids*

Cambridge IGCSE Biology - Section IV:

- Define the terms food chain, food web, producer, consumer, herbivore, carnivore, decomposer, ecosystem, trophic level
- Describe energy losses between trophic levels
- Draw, describe and interpret pyramids of biomass and numbers

Environmental Science I: Module on Ecosystems (Senior School Science)

- Identify the roles of producers, consumers and decomposer
- Describe the concept of the trophic level
- Describe food chains and food webs
- Investigate the movement of energy through an ecosystem
- Explain the relationship between the population sizes of predator and prey

Marine Chemistry (also Introduction to the Hydrosphere)*

Marine Science: Module on Origin and Composition of the Oceans (Senior School Science)

- Describe the composition and characteristics of ocean water
- Explain what is meant by salinity
- Describe the water cycle
- Discuss the effects of pollution in the oceans

Environmental Science I: Module on Introduction to Environmental Science (Senior School Science)

- Content detail - hydrosphere

Coral Reef Ecology (also Coral Reef Biome)*

Marine Science: Module on Reefs (Senior School Science)

- Identify the different reefs based on their structure
- Evaluate the protection each reef provides to the island
- Distinguish the organisms of each reef
- Describe the different types of coral on Bermuda's reefs

Environmental Science I: Module on Biomes (Senior School Science)

- Identify the earth's major biomes
- Describe the physical, climate and biological features of the major biomes
- Explain how the adaptations of plants and animals in each ecosystem helps them to survive

Using Science to Solve Local Environmental Problems*

Environmental Science I: Module on Introduction to Environmental Science (Senior School Science)

- Describe the steps involved in conducting a scientific experiment by using the scientific method in order to solve environmental problems

Environmental Science II: Module on Physical Resources (Senior School Science)

- Assess the impact of land pollutants
- Identify ways to control water pollution, including ocean pollution

Bermuda's Desert: Adaptations of Bermuda's Sandy Shore Plants & The Threat of Invasive Species*

Environmental Science I: Module on Biomes (Senior School Science)

- Explain how the adaptation of plants and animals in each ecosystem helps them to survive

Pollution's Effects on Local Wildlife

Environmental Science II: Modules on Physical and Biotic Resources (Senior School Science)

- Assess the impact of land pollutants
- Identify and describe causes of the decline of six endangered species in Bermuda (cahow, turtles, cicada, toad, whistling frog, snail)
- Identify some species of plants and animals that are at risk in the United States and Bermuda

*** Class can include a guided field trip to a specific habitat. Field trips may require a prior in-class session.**

Other Senior School Classes and Field Trips of Interest:

- Bermuda's Terrestrial Habitats*
- Conservation Research at BAMZ & Conservation Services
- Man's Effect On The Environment & The Extinction Crisis
- The Sargasso Sea
- Exotic Wildlife Husbandry & Medicine
- Guided Field Trip of the Walsingham Mangroves & Forest