

Wednesday March 18th

2:53 Arrive on United from Newark @2:53
3:40 Taxi arrival from airport to BIOS 3:40
4:00 Orientation at BIOS
4:30 walk to Whalebone Bay
5:45-6:30 Dinner
7:00 Introduction to an Oceanic Island

Description of day:

When students arrive at the airport from Bermuda they will clear Bermuda customs (they will need the BIOS address) and enter the baggage claim to pick up their bag and exit the airport. There is one exit there with a taxi side directly on the other side of doors to take to BIOS. Usually a 15\$ taxi ride. Its 1\$ per bag +tip.

Walk to Whalebone Bay: 1.5 mile walk to bay along old railway trail. Scenic trail all along the water and ends at a small bay that is good for practice snorkelling (if needed).

All meals are buffet style, and any allergies or special diets can be communicated to the reservations office. The kitchen can do vegetarian, vegan and gluten free meals if requested.

Meal times are always

7:45-8:30
11:45-12:30
5:45-6:30

Introduction to an Oceanic Island/Intro to Bermuda Lecture
Looks at the formation of Bermuda geologically, some historical and cultural aspects of the island as well as some current research and animal/plant/environmental issues lesson

Run time: 40 minutes with time for questions

Thursday March 19TH

7:45-8:30 Breakfast
9:00-10:00 Lecture and Lab: Bermuda's corals
10:15-11:30 Lecture: REEF Fish Identification
11:45-12:30 Lunch at BIOS
1:00-4:00 Offshore snorkel (practice snorkel)
5:00-5:45 Welcome wine and cheese reception
5:45-6:30 Dinner
7:00-8:00 Guest Lectures- Ali Hochberg- Reef Monitoring methods
8:00-9:00 Practical skills in reef monitoring

Description of the day:

Coral Identification Lecture and Lab

Students are given a brief introduction to the reef ecosystems of Bermuda and encouraged to consider a variety of questions, such as:

What is a coral animal?

How are corals so productive?

What do corals require in order to grow?

Where are reefs located in Bermuda?

Hands-on activities, including a hard coral skeleton ID lab and a video transect lab, are provided to engage students in a more in-depth investigation of individual corals and reef ecosystems.

http://prezi.com/odepi8yjwp_k/hard-corals-of-bermuda/

REEF Fish ID Lecture

Students participate in an interactive lecture on the dominant reef fish species in Bermuda, including a discussion of the defining features of different families. The lecture can be coupled with fish surveys during snorkel trips, with population comparisons made between various sites around the island.

Offshore Snorkel

Weather dependent as to best site for the afternoon, but shallow snorkel to introduce students to some of the species that they learned about in the morning and also to get them comfortable in the water. Students will need wetsuits for this time of year.

Lecture: Sustainability

Ali Hochberg will give an overview on monitoring methods on coral reefs and why you would monitor?

Students then will practice practical skills using computer software

Rare Bird Film

Documentary by Lucinda Spurling and winner of the Bermuda International Film Festival in 2006. 'This true story is both a miracle and a mystery, and will keep you riveted as the destiny of an "extinct" species plays out in a race against time.' (Run time: 81 minutes)

<http://www.bermedia.com/development/rarebird/about.htm>

Friday March 20th :

7:45-8:30	Breakfast
8:30	Nonsuch Island Tour
11:00	Pelanion snorkel
11:45-12:30	Lunch at BIOS
12:30-4:30	North Rock Snorkel
5:45-6:30	Dinner at BIOS
7:00-9:00	Night snorkel (optional)

Description of the Day:

Field Trip to Nonsuch Island

Nonsuch Island is a wildlife sanctuary whose restoration has been the lifework of Dr. David Wingate. With limited public access, the island is a living museum of pre-colonial Bermuda, with many habitats represented onshore and great opportunities for snorkeling in the surrounding waters. During the course of the field trip, students will learn about the island's natural history, as well as efforts to conserve and reintroduce an extremely rare endemic seabird, the Cahow (or Bermuda petrel).

North Rock Snorkel:

a 7-mile boat ride from the East End of Bermuda, North Rock is within the North Shore Coral Reef Preserve. This shallow coral reef covers an area with a 1000-meter radius from the Navigational Beacon at North Rock and is a popular tourist destination for snorkelling due to depth and accessibility.

Saturday March 21st:

7:45-8:00	Breakfast
8:30-11:30	Bermuda Aquarium and Zoo (public bus)
11:45-12:30	Lunch at BIOS
1:00-5:00	South Shore hike
5:45-6:30	Dinner in town
7:00	Free evening

Description of day:

Bermuda Aquarium, Museum and Zoo

The Bermuda Aquarium, Museum & Zoo (BAMZ) is owned and operated by the Bermuda Government and operationally falls within the mandate of the Department of Conservation Services

BAMZ was founded in 1926 and is one of the world's oldest aquariums. Situated in picturesque Flatts Village, our seven-acre facility remains a top attraction for all ages—and an important centre for science education, research and species conservation. BAMZ has been accredited by the Association of Zoos & Aquariums (AZA) since 1994

www.bamz.org/

South Shore Hike

This 2 mile hike takes students from Warwick Long Bay to Horseshoe bay along the south shore of Bermuda known for its “boiler reef” formations. It is a hilly hike and through the sand dunes and cliffs. Opportunities to snorkel in the coves are possible, but weather dependent. The tour ends and Horseshoe bay where there are changing rooms and bathrooms.

Sunday March 22nd

7:45-8:30	Breakfast and pack a lunch
9:00	Public bus to Walsingham Nature reserve
11:30	Public bus home
12:00	Lunch
2:00	Depart BIOS in taxi's to airport arranged
3:55	Flight on United/JFK

Walsingham Nature Reserve:

Students will take part in a tour focusing on the geology of Bermuda, its cave system, and some of its endemic flora and fauna. Students will get a chance to explore some of these amazing geologic structures on one of the oldest land formations in Bermuda as well as take a look at the mangrove ecosystem. Students normally bring mask and snorkel (but no fins) for this tour. This is approximately a 2-mile hike and good shoes are required for the terrain, but ones you can also get muddy!