



**Education Program: March 27, 2010**

**Time: 2:00 -5:00 p.m.**

**Where: Charlotte Amalie, ST. Thomas**

***By invitation only***

Researchers from NOAA's Biogeography Branch and the crew of the R/V *Nancy Foster* are hosting the 2010 Seafloor Characterization Education and Outreach Day for invited students in Charlotte Amalie, St. Thomas. The nearly 3 hour program is an excellent opportunity to meet the scientists and ship crew, discover high-tech tools used to collect underwater data, gain a better understanding of the area's marine resources and explore the variety of careers in marine science.

### **Program Schedule**

#### **Welcome (20 minutes):**

- Ship safety protocol overview
- Mission Overview, Education Day Schedule and Career Overview
- Show clips of the Buck Island video
- Divide everyone into groups and distribute handouts

#### **Period 1: Biological and Ecosystem Basics (40 minutes)**

- 20-minute presentation; coral reef ecosystems 101
- 20-minutes Build-a-Coral Reef Ecosystem activity

#### **Break (10 minutes)**

- Water, bathroom.

#### **Period 2: Research Tools (40 minutes)**

##### A) Multibeam and Acoustic tools and data

- Short slideshow from Bryan
- Short slideshow from Chris Taylor

##### B) Remotely Operated Vehicle

- Standard show-and-tell of how the machine works

#### **Period 3: Ship tours (40 minutes)**

- Gumby suits
- Short tour
- Team building game

#### **Wrap up (15 minutes)**

**Total time: ~2 hours, 45 minutes**

**Contact:**

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**Rotation Schedule:** The students will be divided into three groups of 10-12 people. Each group will be assigned a color (orange, blue or green) and will rotate through the periods.

Period	Time	Description	Speakers	TV Room	Back Deck	Mess Hall	Dry Lab	Bridge?
1	2:00 - 2:20	Welcome - Mission, Schedule, Safety, Careers	Tim B., Alicia C., Tracy, Crew member	All				
2	2:20- 3:00	Ecosystem Basics + Build-A-Coral Activity	Simon and Charlie			Orange	Blue	Green
3	3:00 - 3:10	Break - Water, bathroom			All			
4	3:10 - 3:50	Research Tools	Bryan-- Multibeam; Chris Taylor-- Acoustics; Lance Horn and Glen Taylor--ROV			Green	Orange	Blue
5	3:50 - 4:30	Ship Tour	2-3 members from the science team (Maile, Peter and Sam) or crew?			Blue	Green	Orange
6	4:30 - 4:45	Wrap-up - Q/A & Goody Bags, Careers	Alicia, Tracy and Maile		All			