



WHAT IS UNIVERSITY BOUND?

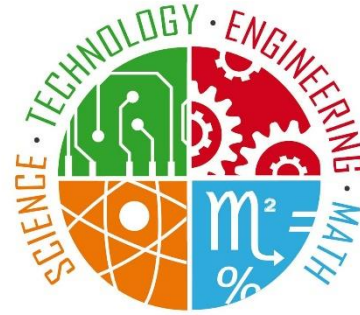
The UVI University Bound (UB) Program at the University of the Virgin Islands is a college preparatory program for high school students designed to enhance and supplement the secondary academic experience of its participants, and promote advancement to higher education. University Bound not only provides the necessary academic resources for educational success, but also develops the motivation required for its participants to enter an institution of higher learning, immediately after completion of a secondary degree.



Purpose of UB STEM Initiative

Increase students':

- Engagement, interest, enjoyment and achievement in STEM subjects
- Development of practical and employability skills
- Post-secondary pursuit of STEM courses
- Progression into STEM-related careers paths



UB STEM Engagement



2018 STEM Festival: UB students were able to talk about internships, scholarships, mentorships, university programs, job opportunities, and after-school programs in STEM.





SUMMERS

VI EPSCoR STEM Fridays

Students are engaged in EPSCoR STEM Fridays during the University Bound summer residential component, where they learned concepts relating to:

- *Physical Oceanography*
- *Astrophysics*
- *Renewable Energy and other related topics*



VI EPSCoR STEM Fridays

UB students visit Coral World where they learn about marine mammals and the rehabilitation services offered to marine life.



Students get up-close and personal with a sea lion.





Students explore our coastal habitats: the near shore shallow reefs, rocky seashores, mangroves, seagrass beds and coral reefs. Through exploration by hands-on discovery, they learn about the many plants and animals that live in these important ecosystems.





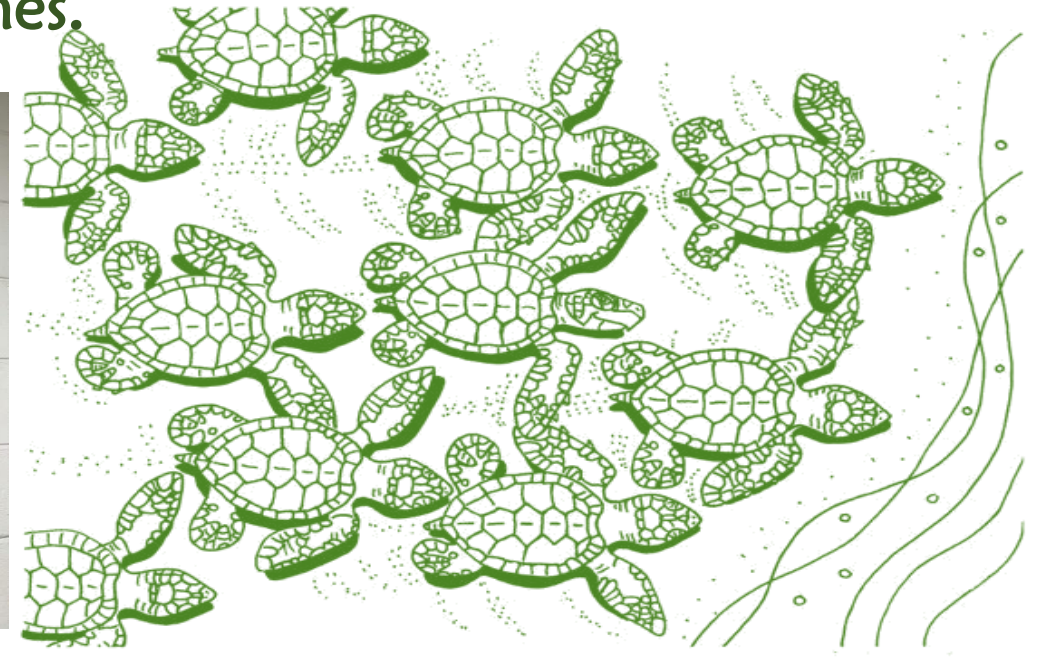
The students were given the privilege of visiting UVI's world renowned Agricultural Experiment Station; in particular to learn about its biotechnology/agroforestry, agronomy and animal science. Students also visited local guts nearby to learn more about the island's water table.



Students worked together with other civic groups to participate in science based conservation in an effort to the cleanup and reduce marine debris from our local mangrove ecosystem.



Turtle Conservation: On St. Croix, Sea Turtle Project which studies and protects sea turtles in collaboration with the US Fish and Wildlife Service. Students watch hatchlings emerge from their nests and assist with relocating their venture into the sea to start new lives. On St. Thomas, students observe turtle tagging of endangered sea turtles, such as the Leatherback and Hawksbill, which help to record migratory patterns, growth rates and learn more about their nesting habits on our local beaches.





Using a robotics kit, students use the Engineering Design Process to explore solar energy by constructing and testing their solar powered vehicles.





UB Students visit the CDC where they spoke to an on site Epidemiologist.



Questions or Comments?

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