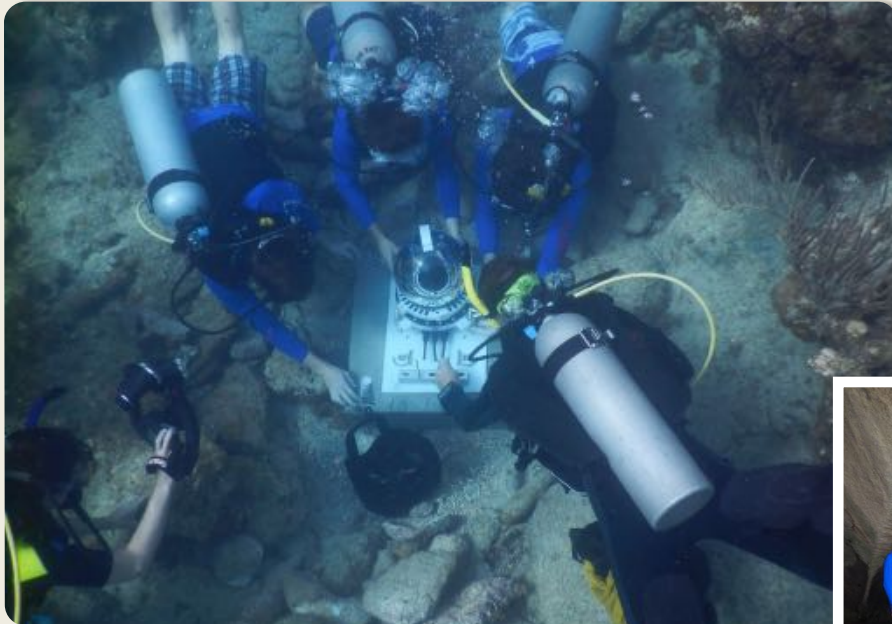


# MARINE BIOLOGY



INTELLECTUALLY COMPETENT



PHYSICALLY FIT



LOVING

Marine Biology was born from the Ignatian concept that students learn best when they experience content in unique and memorable ways. In addition to the classroom component in Dallas, this was the 4th year we partnered with Dive BVI on Virgin Gorda, British Virgin Islands for the field component of the program.

Jesuit offers both Marine Biology 1 and Marine Biology 2 for science credit (.5 credit). Marine Biology 2 is

for returning seniors and offers more advanced applications in Marine Science.

32 rising sophomores and juniors participated in Marine Biology 1 and 8 returners were part of the first Marine Biology 2 course. Ben Kirby '00, Todd Gruninger, '98, Dominic Golab, and Stefanie Boyle were the class instructors and chaperones from Jesuit. Casey McNutt, Jeff McNutt, Andrea Sorlie were among

the many who served as chaperones on Virgin Gorda. Casey and Jeff own Dive BVI and, in addition to Andrea, are certified Dive Instructors at Dive BVI. The cost for students was approximately \$3000. This covered tuition, lodging, food, diving, and necessary materials. Financial aid was provided for students receiving assistance from Jesuit during the school year.



RELIGIOUS



COMMITTED TO JUSTICE



OPEN TO GROWTH

# Program Overview

Each student was required to use their iPad for both portions of the course. Materials were shared through Notability and Google Drive. Students were required to obtain PADI Open Water dive certification before the course. While in the BVI, all students participated in 8 dives and 5 snorkels. Marine Biology 1 dives included coral transplanting, fish identification, and wreck diving. Marine Biology 2 included advanced dives and installing the new camera and sensors. Dive BVI staff and students also participated in several research dives, including turtle tagging and coral reef transplanting. Students were required to keep a blog of their experience – this served as an opportunity to reflect and share ideas with each other and family back home.

## STUDENT BLOGS:

[HTTP://MARINEBIOJESUITROUNDUP.ORG/](http://marinebiojesuitroundup.org/)

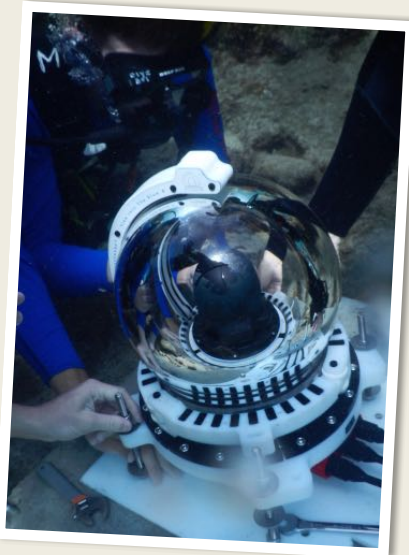
## Jesuit Reef Restoration Project

The area of reef transplanted by Jesuit students at Baraka Point has been identified as the Jesuit Dallas reef. Dive BVI staff will record measurements and pictures throughout the year and we will continue rebuilding the reef every year. The addition of the newly purchased Reef Camera will allow for real-time monitoring of the reef and water conditions (pH, temperature, salinity, etc) throughout the year back in Dallas.



## BEACH CLEANUP

EACH YEAR, STUDENTS IN THE PROGRAM COMPLETE A COMMUNITY SERVICE PROJECT. THIS YEAR THE STUDENTS CLEANED UP TRASH THAT WASHED UP ASHORE ON ONE OF THE LOCAL BEACHES. BY THE END OF THE DAY, THE STUDENTS HAD PICKED UP OVER 5 TRUCKLOADS OF TRASH!



## JESUIT REEF CAMERA

THIS YEAR, MARINE BIOLOGY 2 STUDENTS INSTALLED JESUIT'S NEWLY PURCHASED UNDERWATER WEB CAMERA. JESUIT STUDENTS WILL USE THIS CAMERA BACK AT JESUIT TO MONITOR WATER CONDITIONS AND CORAL GROWTH ALONG THE REEF BEING RESTORED BY JESUIT STUDENTS EACH YEAR.



## RESTORATION

BOTH MARINE BIOLOGY 1 AND 2 STUDENTS PARTICIPATE IN A CORAL RESEARCH AND RESTORATION PROGRAM EACH YEAR. STUDENTS TRANSPLANT CORAL THAT HAS BEEN DAMAGED OR DISEASED TO OUR DEDICATED REEF SITE WITH THE GOAL OF ESTABLISHING A NEW HEALTHY REEF THAT WILL ATTRACT NEW LIFE AND SERVE AS A NEW HOME FOR MARINE ORGANISMS.