



MARINE INSTITUTE
MAUI OCEAN CENTER

Summer Programming 2022 Results



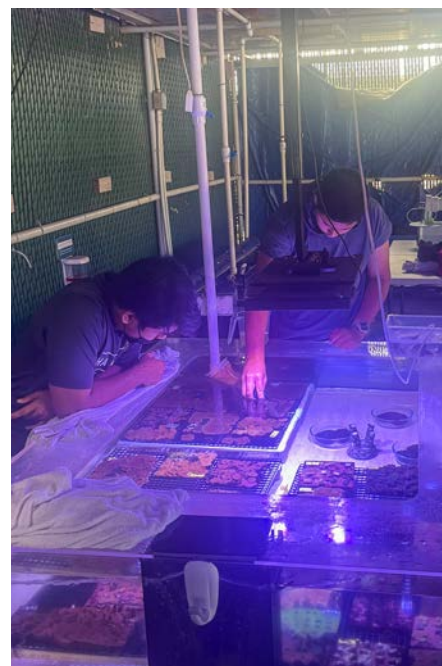
306 students educated

MOCMI's Coral Education program covers a wide-range of topics, including basic coral biology, coral reef ecosystems, importance, threats, and conservation efforts. The goal of MOCMI's Coral Education program is for students to walk away feeling empowered that they can make a difference in protecting coral reefs.

During this program, students have the opportunity to view live coral under microscopes in MOCMI's coral lab. Students investigate the anatomical differences between coral species and also observe coral feed. This unique opportunity allows students to grasp the fact that corals are a living organism.

Through engaging demonstrations, students learn about global and local threats to coral reefs. These demonstrations help students to comprehend more challenging topics such as coral bleaching, ocean acidification, and sedimentation. Students then critically think and develop their own solutions to help reduce and prevent these threats to coral reefs.

Students also learn about MOCMI's conservation efforts in helping to ensure the survival of Hawaii's coral reefs through touring the Coral Lab. Depending on the student group, some receive a live coral micro-fragmentation demonstration. In addition, some student groups also have the opportunity to learn and apply scientific field methods through conducting a coral species coverage survey in the field.





306 students educated

MOC Marine Institute's Sea Turtle Education Program encompasses a variety of topics, which include sea turtle biology, anatomy, species identification, life history, importance to ecosystems, and threats in Hawai'i.

Students apply their knowledge of sea turtles through hands-on activities, which include in-water sea turtle surveys along with sea turtle husbandry and patient care at our "Honu Hospital".

By participating in beach cleanup efforts and actively working with MOCMI staff and interns on threat reduction projects, students gain a better understanding of how our actions have an effect on marine life and what we can do to lessen our impact as a society.

Sea Turtle Education:

Sea Turtles 101- basic anatomy, species identification, diet, sex, TSD, nesting, strandings, threats, age classes, tagging

Mock intake- intake procedures of an injured sea turtle: measurements, weight, intake form, gear removal, assessment of injuries

Sea Turtle Application:

Sea turtle survey: proper surveying techniques, ocean safety, identifying species, sex, Fibropapillomatosis, and age class in the field

Life history game- use critical thinking skills to determine different stages of a sea turtles life history and their different characteristics

Threat Reduction:

Beach cleanup: collect, count, and analyze debris from beaches and/or on coral reefs

Fishing gear categorization: identify, weigh, measure, and categorize fishing gear removed from sea turtles

Topics: What steps can be made to reduce our waste? How does this affect the ocean and marine life?

Tide pooling Activity:

Properly identify nearshore marine life within tidepools

Topics: How does the fluctuation of tides affect tidepool ecosystems?



Mahalo to Maui Ocean Center and Coral World International for all of their support and for providing us space for our programming.



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