

**PROGRAM:** 

**Dive Into Science** 

PROGRAM LENGTH:

1Day

**DESCRIPTION:** 

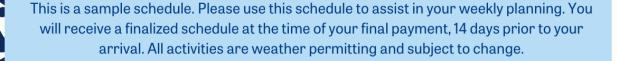
Visit Mote's underwater nursery and apply SCUBA diving skills while learning basic scientific techniques, including underwater surveying and navigation.

#### Schedule

Day 1

9 AM - 5 PM

Behind the Scenes Tour Coral Restoration Lesson & Training Nursery Dive





PROGRAM:

**Coral Restoration Workshop** 

PROGRAM LENGTH:

3 Days

**DESCRIPTION:** 

Introduction to Mote's coral reef restoration & research. Explore topics like coral nurseries, ocean acidification, reproduction, health & disease. This course combines both classroom lessons and hands-on training with a trip to the famous Looe Key Reef within the Florida Keys National Marine Sanctuary.

Schedule		
Day 1 9 AM - 3 PM	Behind the Scenes Tour Coral Fragmentation Lesson and Hands-on workshop Guided Kayak Tour	
Day 2	Coral Identification Lesson & Training	
9 AM - 3 PM	Corals & Climate Change Lesson & Lab	
Day 3	Snorkeling at	
8:30 AM - 2 PM	Looe Key National Marine Sanctuary Reef	



**PROGRAM:** 

**Investigate Climate Change** 

PROGRAM LENGTH:

3 Days

**DESCRIPTION:** 

Engage students in current Mote research testing corals' response to stressful conditions using our outdoor research system CAOS (Climate & Acidification Ocean Simulator).

Schedule		
Day 1 9 AM - 3 PM	Behind the Scenes Tour Ocean Acidification Lesson & Citizen Science Training Begin climate change research project	
Day 2	Student research project	
9 AM - 3 PM	Data collection & analysis	
Day 3	Snorkeling at Looe Key National Marine Sanctuary Reef	
8:30 AM - 2 PM	Bleachwatch Data Collection on the Reef	



**PROGRAM:** 

**Discover Scientific Diving** 

PROGRAM LENGTH:

3 Days

**DESCRIPTION:** 

SCUBA intensive course focused on developing skills that can be applied to scientific research including coral restoration.

\*Participants must have a minimum of 25 dives prior to program

Schedule		
Day 1	Behind the Scenes Tour	
9 AM - 5 PM	Scientific Dive training	
Day 2	Morning: Scientific Dive training	
9 AM - 5 PM	Afternoon: Nursery Dive	
Day 3	Morning: Scientific Dive training	
9 AM - 5 PM	Afternoon: Reef Dive	



**PROGRAM:** 

**Investigate Environmental Health** 

PROGRAM LENGTH:

4 Days

**DESCRIPTION:** 

Students conduct a research project investigating water quality in local Florida Keys habitats. Students will evaluate environmental health through field sampling techniques and microbiology laboratory methods.

Schedule		
Day 1 9 AM - 3 PM	Behind the Scenes Tour Coral Restoration Workshop Citizen Science Training: Reef Survey Methods	
Day 2 9 AM - 3 PM	Guided Kayak Tour & Water Sampling Microbiology Lab	
Day 3 8:30 AM - 3 PM	Snorkeling at Looe Key National Marine Sanctuary Reef with Water Sampling Microbiology Lab	
Day 4 9 AM - 3 PM	Ocean Acidification Lesson & Lab Microbiology Lab	



**PROGRAM:** 

Coral Conservation & Open-Water SCUBA
Certification

PROGRAM LENGTH:

6 Days

**DESCRIPTION:** 

Complete an open-water SCUBA certification through a local dive shop. Incorporate newly acquired scuba skills into basic scientific techniques including surveying and navigation on Florida's coral reef.

Schedule		
Days 1-3	Open-water SCUBA Certification Course	
Day 4	Behind the Scenes Tour Coral Health & Disease Lesson & Identification Training Dive: Survey Methods	
Day 5	Coral Restoration Training Dive: Mote's In-situ Nursery	
Day 6	Ocean Acidification Lesson & Citizen Science Training Dive: Underwater Surveys	

