

	5th	6th	7th	8th	9th	10th	11th	12th	college	Notes
<b>FIELD TRIPS</b>										
<i>core</i>										
Seagrass Ecology Program	.	.	.	.	.	.	.	.	.	1-2 hour field trip is done in conjunction with a 1 hour discussion; Level 1 (grade 5-8) and Level 2 (grades 9 and above); generally includes a boat trip but can do a shore based snorkel to reduce cost
Advanced Seagrass Ecology: Seagrass Surveys					.	.	.	.	.	3.5 hours, includes an hour discussion, a snorkel trip and a 30 minute data analysis class; if scheduled for Summary, they don't need additional data analysis class; APES
Mangrove Ecology Program	.	.	.	.	.	.	.	.	.	3 hours; generally includes a boat trip but can do a shore based snorkel to reduce cost
Advanced Mangrove Ecology: Sediment Analysis Lab					.	.	.	.	.	3 hours; APES; bring shoes
Coral Reef Ecology Program	.	.	.	.	.	.	.	.	.	3 hour field trip is done in conjunction with a 1 hour discussion; Level 1 (grade 5-8) and Level 2 (grade 9 and above) options available
Advanced Coral Reef Ecology: Coral Bleaching and Disease Monitoring					.	.	.	.	.	3 hour field trip is done in conjunction with a 1 hour discussion
Coral Reef Ecology II: A Closer Look					.	.	.	.	.	3 hour field trip is done in conjunction with a 1 hour discussion; must have previously participated in MarineLab's CRE Program
Fish ID Program	.	.	.	.	.	.	.	.	.	3 hour field trip is done in conjunction with a 1 hour discussion; Level 1 (grade 5-8) and Level 2 (Grade 9 and above) options available
Advanced Fish ID I: Parrotfish Feeding Surveys					.	.	.	.	.	3 hour field trip is done in conjunction with a 1 hour discussion
Advanced Fish ID II: REEF Fish Survey Program			.	.	.	.	.	.	.	3 hour field trip is done in conjunction with a 1 hour discussion
Seagrass AND Mangrove Ecology Program	.	.	.	.	.	.	.	.	.	3 hrs
<i>extended</i>										
Florida Bay Survey Program	.	.	.	.	.	.	.	.	.	flexible timing; must have previously participated in seagrass ecology and mangrove ecology
Hardbottom Field Trip	.	.	.	.	.	.	.	.	.	
Keys Survey Field Trip			.	.	.	.	.	.	.	3.5 hrs; involves getting on and off the boat multiple times for several snorkel opportunities and if weather is not ideal, young snorkelers will not be safe—can be physically too much for many younger students and/or new snorkelers
Marine Debris Program			.	.	.	.	.	.	.	2-3 hr program. Bring shoes! Can be boat trip or land based. Boat trip can be snorkelling (summer!) or climbing through mangroves (winter!). If land based, need to notify Pennekamp beforehand.
Algae Investigation	.	.	.	.	.	.	.	.	.	2-3 hrs; need to have participated in Mangrove Ecology
Scientist Snorkel	.	.	.	.	.	.	.	.	.	3 hours (flexible); includes shore based snorkel
Backcountry Picnic	.	.	.	.	.	.	.	.	.	

Nest Key Field Trip	.	.	.	.	.	.	.	.	.	3 hrs; bring shoes!; avoid during hottest months
Reef Restoration Program			see notes	see notes	.	.	.	.	.	2-4 hrs; Any group can do the field trip without the talk. 7th and 8th should only do field trip. need to notify CRF beforehand
Advanced Reef Restoration (Citizen Science)			see notes	see notes	.	.	.	.	.	2-4 hrs; Any group can do the field trip without the talk. 7th and 8th should only do field trip. this program includes going to nursery and then collecting data for CRF at outplanting site; need to notify CRF beforehand
Rodriguez Key Field Trip	.	.	.	.	.	.	.	.	.	3 hrs
Shark Research with OFI	.	.	.	.	.	.	.	.	.	3 hours, field based, minimum of 10 students, led by OFI researchers
Rodriguez Key Field Trip with Diversity Indexing Lab					.	.	.	.	.	3 hrs; these students must have participated in MarineLab's diversity indexing lab
<b>Labs</b>										
<i>core</i>										
Zooplankton Lab	.	.	.	.	.	.	.	.	.	1 hr; stereoscopes
Invertebrate Diversity Lab	.	.	.	.	.	.	.	.	.	1 hr
Phytoplankton Monitoring Lab (HAB Lab)					.	.	.	.	.	2 hours; "advanced" version of zooplankton lab, compound scopes
Diversity Indexing Lab					.	.	.	.	.	2 hours; "advanced" version of invertebrate diversity lab, correlates with APES standards
<i>extended</i>										
Evening Lagoon Snorkel	.	.	.	.	.	.	.	.	.	1 hr; avoid in colder months
Plankton Races	.	.	.	.	.	.	.	.	.	can be a 1 hour (students stay dry) OR 3 hours (students snorkel in lagoon)
Invertebrate Behavior and Morphology Lab	.	.	.	.	.	.	.	.	.	1 hr
Microplastics Lab			.	.	.	.	.	.	.	1 hr; stereoscopes
Water Quality Lab			.	.	.	.	.	.	.	1 hr; students collect data on their field trips; data discussed during summary
Sea Turtle Activity 1	.	.	.	.	.	.	.	.	.	1 hr
Sea Turtle Activity 2			.	.	.	.	.	.	.	1 hr
Sponge Spicule Lab				.	.	.	.	.	.	1 hr; compound microscopes
Cassiopeia culturing Lab				.	.	.	.	.	.	1 hr; stereoscopes; this is for groups with us longer than 3 day as embryos take 24-72 hours to develop into polyps; data is discussed during "summary" class
Coral Restoration Workshop with Mote Marine Lab	.	.	.	.	.	.	.	.	.	3 hour land based program led by Mote Marine Lab staff from MarineLab's campus
<b>Discussions</b>										
<i>core</i>										
seagrass ecology	.	.	.	.	.	.	.	.	.	1 hour discussion followed by a 1-2 hour field trip; Level 1 (grade 5-8) and Level 2 (grades 9 and above) and advanced (seagrass survey) options
coral reef ecology										1 hour discussion followed by a 3 hour field trip (if doing an advanced program, the citizen science portion is introduced during the field trip); Level 1 (grade 5-8) and Level 2 (grades 9 and above)

fish ID										1 hour discussion followed by a 2 hour field trip; Level 1 (grade 5-8) and Level 2 (grades 9 and above); if doing an advanced program, the citizen science portion is introduced during the field trip	
<i>extended</i>											
Everglades Hydrology Discussion	.	.	.	.	.	.	.	.	.	.	great if group is visiting the everglades (ask us for information on arranging a free tour for your group with an everglades ranger)
Keys Awareness	.	.	.	.	.	.	.	.	.	.	
Coral Reef Ecology II: A Closer Look					.	.	.	.	.	.	1 hour discussion followed by a 3 hour field trip; group must have participated in our core CRE program
Keys Habitats				.	.	.	.	.	.	.	for groups that are doing more than our basic 3 day/2night program
Summary	.	.	.	.	.	.	.	.	.	.	for groups that are doing more than our basic 3 day/2night program; have a level 1 and level 2. Both include analysis of any data collected during the trip

GRADES 5 - 6	GRADES 7 - 12
GRADES 5-8	GRADES 8 - 12
GRADES 7-10	GRADES 9 -12