

## MarineLab Program Components

*All programs include our core curriculum of seagrass, mangrove, and coral reef ecology.*

Seagrass ecology discussion & field trip

Mangrove ecology field trip

Coral reef ecology discussion & field trip

Field identification of reef fish discussion

Invertebrate diversity laboratory

Invertebrate diversity indexing lab (AP)

Zooplankton identification

Phytoplankton identification (AP)

Water quality laboratory & field trip  
(AP version also available)

Sponge spicule identification lab

Hardbottom shoal ecology field trip

Nest Key seining field trip

Everglades hydrology  
discussion & field trip

Invertebrate morphology  
& behavior Lab

Shark biology discussion

Sea turtle stranding activity

*Goniolithon* shoal field trip

Mariculture Lab

*Additional programs may be incorporated into your programs, such as a visit to the Turtle Hospital or Dolphins Plus, a land based trip to Everglades National Park, or a trip to Key West.*



MarineLab's staff instructors all hold a bachelor's degree or higher in marine science or a similar life science, and Lifeguard, CPR, and First Aid certifications. They are highly trained in supervision of students and boat operations. Safety is our first priority!

Our curriculum is correlated to all fifty states' science education standards and the National Science Education Standards. In addition, advanced programs designed to complement AP Environmental Science and AP Biology are available.

MarineLab maintains special permits which allow temporary collection (for educational purposes) of marine organisms, such as the queen conch shown on the cover. Collection or molestation of queen conch is otherwise prohibited throughout Florida.

MarineLab was developed and is owned and operated by Marine Resources Development Foundation, Inc. This 501(c)3 organization, dedicated to the development and application of marine sciences, was founded in 1970 by Ian Koblick in the US Virgin Islands.

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# the MarineLab Experience





# *the* MarineLab Experience

*MarineLab* sits among the protected marine communities of the Florida Keys National Marine Sanctuary, Everglades National Park, and John Pennekamp Coral Reef State Park. These unique marine habitats provide the perfect "classroom" for our marine ecology instructors to lead your students on an adventure of discovery and wonder.

Every MarineLab program includes an introduction to snorkeling, with an emphasis on communications and safety.

Evenings are spent in discovery activities and labs, and in discussion of the following day's field trip destinations.

Morning and afternoon field trips to the different marine habitats teach students identification of flora and fauna, classification of invertebrates, adaptations by the different organisms, and the overall, interdependent ecological picture from the tiniest plankton to the top predator.



MarineLab programs include meals in our on-site cafeteria and accommodations in our air-conditioned dormitories. In addition to the cafeteria and dorms, our waterfront facility contains classrooms, labs, a fleet of inspected vessels, and recreational areas.



High school students who are already certified can incorporate SCUBA dives on the coral reef as part of their marine ecology program. They will also have the opportunity to visit the MarineLab Undersea Laboratory and Jules' Undersea Lodge.

