MarineLab Programs and the U.S. National Science Standards

Grades 9 - 12

STRAND / ORGANIZATION	**N.A.**	Science as Inquiry: As a result of activities in grades 9-12, all students should develop abilities necessary to do scientific inquiry, and understandings about scientific inquiry. (NSES) Plankton Tow Cassiopeia Coral Reef Ecology Everglades Hydrology Field Identification of Reef Fish Invertebrate Diversity Mangrove ecology Rodriguez Key zonation Sea Turtle Stranding Activity Sponge Spicule Identification Water Quality Lab
STRAND / ORGANIZATION	**N.C.**	Life Science: As a result of their activities in grades 9-12, all students should develop understanding of the cell, molecular basis of heredity, biological evolution, interdependence of organisms, matter, energy, and organization in living systems, and behavior of organisms. (NSES) Plankton Tow Cassiopeia Coral Reef Ecology Everglades Hydrology Field Identification of Reef Fish Invertebrate Diversity Keys Habitats - Introduction and Summary Mangrove ecology Rodriguez Key zonation Sea Turtle Stranding Activity Seagrass ecology Sponge Spicule Identification Water Quality Lab
STRAND / ORGANIZATION	**N.D.**	Earth and Space Science: As a result of their activities in grades 9-12, all students should develop an understanding of energy in the earth system, geochemical cycles, origin and evolution of the earth system, and origin and evolution of the universe. (NSES) Keys Habitats - Introduction and Summary Mangrove ecology
STRAND / ORGANIZATION	**N.F.**	Science in Personal and Social Perspectives: As a result of activities in grades 9-12, all students should develop understanding of personal and community health, population growth, natural resources, environmental quality, natural and human-induced hazards, and science and technology in local, national, and global challenges. (NSES) Plankton Tow Cassiopeia Coral Reef Ecology Everglades Hydrology Field Identification of Reef Fish Invertebrate Diversity Keys Habitats - Introduction and Summary Mangrove ecology Rodriguez Key zonation Sea Turtle Stranding Activity Seagrass ecology Sponge Spicule Identification Water Quality Lab