

**2009 Coastal Connections
Workshop / Course Objectives**

1. Draw a cross section of a barrier island identifying the major habitat zones. Describe physical conditions of each habitat and common plants and animals living there.
2. Describe adaptations plants and animals have to survive within the habitats of a barrier island.
3. Collect plant and animal specimens from coastal Alabama to be used in your classroom.
4. Define estuary.
5. Describe physical characteristics of Mobile Bay and its watershed.
6. List some of the inhabitants of Mobile Bay, their dependence upon estuaries / salt marshes, and physical characteristics that reveal their lifestyle.
7. Discuss resources of coastal Alabama.
8. Define plankton, phytoplankton, zooplankton, holoplankton, and meroplankton. Explain why plankton is significant.
9. Discuss the food pyramid and flow of energy in the ocean.
10. Use a variety of equipment to sample the estuarine environment around Mobile Bay.
11. Discuss major historical events that have influenced Dauphin Island.
12. Develop a variety of educational activities and resources that can be used to teach your students about the oceans.
13. Describe a salt marsh, its inhabitants, ecological role, and values.
14. Discuss hurricanes and how they develop.
15. Discuss man's impact on coastal ecosystems.