

2009 MAST Objectives

Upon completion of the MAST Program, workshop participants will be able to:

1. Describe physical parameters of the Mobile Bay estuary.
2. Describe a variety of oceanographic equipment including Niskin Bottle, CTD, refractometer, secchi disk, hydrolab and their function.
3. Use data collected from a variety of oceanographic equipment to describe physical parameters of the water (e.g. CTD graph, Hydrolab data).
4. Summarize and interpret data collected from trawls and/or seines.
5. Describe random sampling.
6. Describe the global positioning system and use a GPS receiver.
7. Understand use of satellite technology in marine sciences.
8. Discuss the relationships between blue crabs, marsh periwinkles, and smooth cordgrass.
9. Describe the parts of a wave and its characteristics.
10. Discuss how the ocean and its inhabitants affect climate and weather.
11. Explain the equipment and process used to measure elevations and why this is significant in studying shorelines.
12. Discuss fisheries technologies.
13. Discuss strategies / activities to teach math and technology using ocean science.