Tools of Oceanography!

Ms. Thompson
Secchi Disk

Used to estimate the transparency of seawater
Seine Net

Long flat nets like a fence that are used to encircle a school of fish
Sediment Sieves

Used to analyze sediment grain size composition
Plankton Nets

This fine mesh net collects the small plant & animal plankton
Neuston Net

Used to sample organisms and fish near the surface (1 1/2 feet down)
Tucker Trawl

Used to collect samples at various depths & insures that what is caught is at a specified depth.
Niskin or NIO Bottle

Used to collect water samples from specific depths
Hydrophone

A microphone for acoustic measurements in fluids

Waterproof
Compact
Made in the USA
Bottom Grab Sampler
(Shipek Grab)

Used to grab samples of soft sediment off of the ocean floor
Dredge

Used to catch organisms living on the ocean floor and right above it
Hydrometer

A device used to measure the densities of liquids and solutions to determine the salinity (measured in ppt)
Measures the salinity and specific gravity of the water sample
Buoys

A floating device that can have many purposes including weather transmission, water quality tests, channel markers, life-saving, etc.
GPS – Global Positioning System

A worldwide radio-navigation system that uses satellites to triangulate your location on earth
GPS – Global Positioning System

- Attitude and Heading Reference System & Inertial Navigation System
- Inertial Navigation System
- Acoustic Positioning
- Acoustic Releases
- Imaging Sonar
Unoccupied, highly maneuverable underwater robots operated by a person aboard a surface vessel
Satellites

- An artificial body placed in orbit around the earth in order to collect information
Self Contained Underwater Breathing Apparatus

An apparatus used in diving, consisting of a cylinder or cylinders containing compressed air attached to a breathing apparatus.