

Floating and Sinking

Taking the Plunge: Designing Submersibles

TEACHER RESOURCES

Seeing the Sea Floor

Looking deeper into sea-floor mapping technologies, NOAA presents an easy to read informational teacher resource, including a Quicktime video about multibeam sonar at the bottom of the page.

http://www.noaa.gov/features/monitoring_1008/seafloormapping.html

Basics of Buoyancy

This website from PBS outlines the basics of buoyancy.

<http://www.pbs.org/wgbh/nova/lasalle/buoybasics.html>

VIDEO FOR STUDENTS

Density and Buoyancy: Making Eggs Float

This video from ZOOM follows two students as they explore why eggs sink in fresh water and float in salt water. The video can be used to get ideas for an activity or used in class as a discussion topic. The resource includes background information on density and discussion questions. Requires free registration with PBS LearningMedia™. (3:03)

<http://bit.ly/JO3O38>

STUDENT RESOURCE

Underwater Vehicles

This interactive from the Woods Hole Oceanographic Institution allows users to investigate different types of underwater research vehicles. Users explore how deep the vehicles can go and how much pressure they need to sustain at various depths.

<http://www.divediscover.whoi.edu/robotics/index.html>