

| Concepts Illustrated in Lesson Plan | Lesson Plan Title | Webisode Title | Webisode # |
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| What is sound and how does it travel in air and water? How can sound be used to measure distance? | Sound in the Sea | Giants of the Depths | Webisode 03 |
| Consider the impact of humans on manatee habitat and survival . Learn about manatee winter migration. | Humans and Manatees: Deadly Species Interaction | Swimming with Sea Cows | Webisode 09 |
| Use a grid system to document the location of artifacts recovered from a shipwreck. Draw inferences about a shipwreck based upon artifacts | Indiana Jones Goes Underwater | Exploring the Prinz Eugen | Webisode 10 |
| Graph changes in a population over time. Define over-fishing and consider strategies to manage natural resources. | The Lifespan of Overfishing | Killer Clams | Webisode 14 |
| Foster scientific inquiry . Gain experience in the scientific method. | The Importance of Observation in the Scientific Process | The Shark and the Lamprey | Webisode 15 |
| This lesson discusses the cause of currents and how they impact weather and life in the oceans. | Rivers in the Sea: The Surface Currents of Our Oceans | Tropical Fish Rescue | Webisode 18 |
| Study tides to better understand the lunar cycle and the interrelationship between the Earth and the Moon. Learn the cause of tides and how planetary gravitational forces modify them. | Rhythm of the Tides | The Mantas of Yap | Webisode 20 |
| This lesson discusses types of plankton , their importance in ocean ecosystems and methods of studying plankton. | Plankton: Ocean Drifters | Whale Sharks | Webisode 21 |
| Better understand osmosis in living cells. Look at how marine creatures have adapted to salinity. | Salinity & Its Effect on Living Things | Mangroves | Webisode 24 |
| Improve understanding of the property of density and how it is measured. Look at ocean salinity and how layers of different densities can form in the ocean. | Floating on a Halocline | The Mexican Underground: Cenotes | Webisode 26 |
| Explore mutualistic, commensal and parasitic sybiotic relationships. | The Clown Every Anemone Loves! | The Real Nemo | Webisode 30, 46 |
| Learn about organisms living in different realms in the Southern Ocean. | Biodiversity in the Southern Ocean | Antarctica | Webisode 34, 35 |
| Demonstrate how pH is lowered in water with the addition of CO ₂ . Study acid/base chemistry. Look at how a lower pH affects calcium carbonate to better understand ocean acidification . | Ocean Acidification | Coral Reefs | Webisode 41 |
| Learn about light energy in air and water . Understand how color is determined. Understand adaptations for survival that utilize how light travels through water. | Light & Color in the Sea | Camouflage and Color | Webisode 42 |
| Understand buoyancy - why things sink or float. Learn how bony fish control buoyancy and how sharks have alternative strategies for controlling depth in the sea. | Buoyancy | Shark Biology | Webisode 45 |