

SCHS Environmental Science A - Aquatic Ecosystems

Course Outline	Alternative Assignments
<p>The Scientific Method</p> <ul style="list-style-type: none">1. Scientific Inquiry and Analysis<ul style="list-style-type: none">1.1 - Scientific Inquiry1.2 - Laboratory Tools and Safety <p>Ecology</p> <ul style="list-style-type: none">2. Introduction to Ecology<ul style="list-style-type: none">2.1 - Ecology 1012.2 - Ecology 1022.3 - Trophic Levels and Food Webs2.4 - Adaptation2.5 - Global Connection: Changing Migratory Patterns2.6 - Topic Test3. Habitats<ul style="list-style-type: none">3.1 - Organismal Relationships3.2 - Biodiversity3.3 - Land Habitats3.4 - Aquatic Habitats3.5 - Topic Test4. Temperate, Wet and Aquatic Biomes<ul style="list-style-type: none">4.1 - Freshwater and Marine Biomes5. Earth's Systems<ul style="list-style-type: none">5.1 - Skills Lesson: Modeling Systems and Cycles6. Earth's Cycles<ul style="list-style-type: none">6.1 - The Water Cycle	<p>Video: The Lorax w/worksheet (Counts as 1.1 and 1.2)</p> <ul style="list-style-type: none">1.1 Mysterious M & M's1.2 Bio-assay: Duckweed or grass and sidewalk salt <ul style="list-style-type: none">2.1 (A) Plant Identification and (B) Fish Identification2.2 Oh What A Tangled Web We Weave2.3 How To Build a Prairie2.4 A Highway Through the Past2.5 (A) Unlocking the Mysteries of Migration (B) Compare and Contrast2.6 (A) The Great Migration (B) Monarch Migration (C) Monarch Habitat [All 3 Videos = 20 min] <ul style="list-style-type: none">3.1 Symbiotic Relationships3.2 Calculating Biodiversity3.3 (A) Land Use Activity and (B) Heat Island - Feel the Heat3.4 Bottle Biology Aquarium3.5 Pill Bug Habitat <ul style="list-style-type: none">4.1 Marine Ecosystems WebQuest <ul style="list-style-type: none">5.1 Draw a poster diagram of the Water Cycle and label all parts <ul style="list-style-type: none">6.1 Water Cycle Bracelets

SCHS Environmental Science A - Aquatic Ecosystems

Course Outline	Alternative Assignments
<p>The Water</p> <ul style="list-style-type: none">7. Marine Ecosystems<ul style="list-style-type: none">7.1 - Skills Lesson: Proposing Solutions7.2 - Ocean Exploration7.3 - Salt Marshes and Mangroves7.4 - Coral Reefs7.5 - Issues Affecting Marine Ecosystems7.6 - Topic Test8. Freshwater Ecosystems<ul style="list-style-type: none">8.1 - Pools, Ponds and Lakes8.2 - Streams and Rivers8.3 - Wetlands8.4 - Topic Test9. Water Ecology<ul style="list-style-type: none">9.1 - Skills Lesson: Proposing Logical Alternatives9.2 - Nonnative Species in Aquatic Ecosystems9.3 - Changing Waterways9.4 - The Water We Use9.5 - Water Pollution9.6 - Groundwater9.7 - Topic Test <p>Societies and Policy</p> <ul style="list-style-type: none">10. The Environment and Society<ul style="list-style-type: none">10.1 - The Environment and the Individual10.2 - Other Influences on Personal Health	<ul style="list-style-type: none">7.1 Plastic Pollution of Water Video Summary7.2 (A) How Salty Egg Float and (B) Ocean Currents7.3 Salinity Lab7.4 Life Video on Coral Reefs7.5 The Cove7.6 Write a Reaction Paper on The Cove <ul style="list-style-type: none">8.1 (A) Water Testing and (B) Ecological Succession8.2 Life On The James8.3 Wetlands Habitat Cards8.4 Properties of Water Lab <ul style="list-style-type: none">9.1 Lake Mitchell Data Analysis w/proposal9.2 Invasive Species Wanted Poster9.3 Map the Mississippi Watershed9.4 (A) Testing Your Tapwater and (B) World Water Resources Investigation9.5 (A) Loop Lake Worksheet and (B) A Grave Mistake9.6 Make Your Own Groundwater Filter9.7 Municipal Water Treatment <ul style="list-style-type: none">10.1 Acid Rain Lab & Dear Future Generations Video w/reflection10.2 A Place At The Table Video & Summary