

Aquatic Organisms- Where do Organisms Live and How do they Survive?

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Abstract

This unit was designed to take an in-depth look at ecosystems. The structure and function of an ecosystem is the first component to be viewed through definitions and visual images. We then move on to living and nonliving (abiotic and biotic) factors found in an ecosystem. Our journey will continue with a virtual tour of geological landscapes (Biomes) throughout the world. In class, students will design a lab to test the amount of Dissolved Oxygen, Turbidity (T), pH and Temperature of water via four different water sources. This will be done using water quality testing kits. The curriculum addresses the Next Generation Science Content Standards. The lessons are designed for students to learn through inquiry based activities, by posing questions to students, and through general conversations to help students solve problems in the natural setting. The culminating activity will be a field trip experience. Students will visit The Division of Fish and Aquatic Wildlife Education Resource Center located in the Woodland Beach Wildlife area in Delaware. The intended audience for this unit is grade five. However, it can be modified for grades 5-8. It also incorporates social studies.