



Youth Education Programs for K – 6 Students

Natural Water

Kindergarten - 1st Grade
Activity Time: 45 minutes

In this lesson, students will learn to identify a variety of natural sources of water and its characteristics including rivers, lakes, and oceans. Students will also have the opportunity to build their own river, lake, and ocean model.

All the Water in the World

2nd Grade
Activity Time: 30 minutes

Students will conduct a hands-on activity that demonstrates the distribution of all water on Earth. The students will begin to understand how water is an important resource and discuss ways we can conserve this natural resource.

The Incredible Journey

4th Grade
Activity Time: 30 minutes

Students will be able to demonstrate the continuous movement of water on Earth by acting as a water droplet moving throughout the water cycle. Students will also be able to explain how the sun provides energy and drives the water cycle.

Relay for Water

6th Grade
Activity Time: 45 minutes

Using an interactive, hands-on activity, students will understand how various uses of water resources can affect water supply, as well as examine the complexities of providing water for everyone. The students will learn that water is a finite resource and begin to critically think about their own daily water use and consumption.

Water Rocks

6th Grade
Activity Time: 30 minutes

In this lesson, students will learn about forces of nature forming, moving, and changing rocks. The students will participate in their own rock cycle after learning more about sedimentary, igneous, and metamorphic rocks. We will discuss why Texas is abundant in sedimentary rock and how water plays an important role in the Earth's rock forming process.

Water Testing 101

Gifted & Talented AIM
Activity Time: 90 minutes

Using the scientific method, students will test the water quality of four different water samples collected from various sites around Allen. This project-based learning exercise will allow students to discover how aquatic ecosystems react to various levels of nutrients, dissolved oxygen, and pH.

H₂O Guesstimate & Erosion Relay

Great for STEAM Days, Science Clubs,
Environmental Clubs and Special Events

Activity Time: Length of Event

Students will be able to learn about water conservation in an informal setting. Activities can be set up as a station or they can be tailored to meet your club's needs. All the Water in the World can be substituted in lieu of the Erosion Relay. If you have a specific idea in mind, we can work with you.

For scheduling and questions please contact:

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