



## Youth Education Programs

### *Natural Water*

Grades: K-1

Activity Time: 30 Minutes

In this lesson, students will identify and describe a variety of natural sources of water, including rivers, lakes and oceans. A short presentation is provided with videos and a memory game to conclude.

### *All the Water in the World*

Grades: 2

Activity Time: 30 Minutes

Conduct a hands-on activity that demonstrates the distribution of water all over the world. The students will be able to explore, discuss and discover how vital our water resources are and what we can do to conserve this natural resource.

### *The Incredible Journey*

Grades: 4

Activity Time: 30 Minutes

Students will be able to illustrate the continuous movement of water above, below and on the surface of Earth through the water cycle and explain the role of the sun as a major source of energy in this process.

### *Stream Table*

Grades: 5

Activity Time: 30 Minutes

Students will explore the difference between weathering, erosion and deposition. A short discussion about the weathering process is provided, followed by interactive, hands-on stations using a stream table and wind erosion demo tubs.

### *Relay for Water*

Grades: 6

Activity Time: 45 Minutes

Using an interactive, hands-on activity, students will illustrate how multiple users of water resources can affect water quantity, as well as examine the complexities of providing water for all users. The students will learn the water is a finite resource and critically think about water use and consumption.

### *Water Testing 101*

Grades: Gifted & Talented AIM

Activity Time: 90 Minutes

Using the scientific method, students will test four water samples collected around Allen, TX and analyze the data. This project-based learning exercise will allow students to analyze how fresh water ecosystems react to different amounts of nutrients, oxygen, and pH in the water.

For scheduling and questions please contact:

*Laurren Langford, Education Specialist*

*Community Services | Water Conservation*

*O: 214.509.4553 | [llangford@cityofallen.org](mailto:llangford@cityofallen.org)*

