

## Classroom Water Education Programs Offered by the City of Carrollton

All programs (including materials) are **FREE** of charge

To schedule a presentation for your school, please contact:

Environmental Services - (972) 466-3060 - [envservices@cityofcarrollton.com](mailto:envservices@cityofcarrollton.com)

### CLICK THE IMAGES TO VIEW VIDEOS OF THESE PRESENTATIONS!

Not all presentations have promo videos

#### Custom Presentations

If you do not see a program listed that fits your classroom needs, please contact our offices about creating a custom presentation just for your class! We are always happy to work with you to give your students the best educational presentations possible.

Grades: All Age groups

**Formats: Customized based on presentation**

#### Freddy the Fish

The story of Freddy the Fish is a good visual that shows students how various sources of pollution affect clear streams and eventually render the habitat unlivable for aquatic life. With this activity, the presenter sets up a fishbowl of water with a toy fish. A small amount of water and a variety of "pollutants" are added to Freddie's environment to show how pollution affects wildlife. Safe, food grade materials are used to simulate pollutants.

Grades: 1<sup>st</sup> – 3<sup>rd</sup>

**Formats: In person, video, or live video presentation**



#### The Incredible Water Journey

This is a fun, interactive game that helps students better understand the movement of water through the water cycle. The game consists of 9 round spinners, each representing a location where water can be found (clouds, oceans, glaciers, etc.). As the students spin to see where the water molecule will go next, they collect a corresponding-colored bead to place on a string to remind them of their "incredible water journey". Great fun and a great learning experience. Grades 2<sup>nd</sup> - 6<sup>th</sup>

**Formats: In person presentation only**



## **NEW!!! Crumpled Watershed**

The crumpled watershed is a great hands-on visual that shows students how various sources of pollution affect streams. With this activity, the presenter gives all students a sheet of paper and washable markers. The students crumple the paper to create the topography for a watershed and follow the presenter's instructions on what to draw (a waterway and sources of pollutants). At the end the presenter will make a "rain" event occur by spraying water on the student's drawings, allowing the pollution sources to flow into the waterway.

Grades: K – 8<sup>th</sup>

**Formats: In person presentation only**

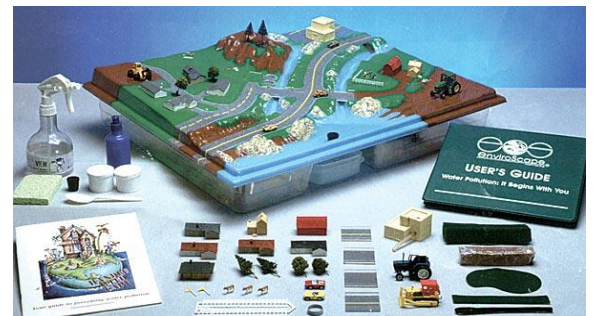


## **Enviroscape® Watershed Model**

This interactive lesson makes use of a model town that shows students how our daily habits impact the environment and disturb the natural balance of the urban water cycle. Students will gain knowledge of the combined effects that pollution from many small sources can have on our watershed and our lives.

Grades: 1st-6<sup>th</sup>

**Formats: In person, video, or live video presentation**



## **Drinking Water & Wastewater Treatment Model**

The 3D EnviroScape Drinking Water/Wastewater model traces the path water in our community. Natural water is drawn from the river and enters the water treatment plant processes -- clean water is delivered -- wastewater is sent for treatment -- treated water is returned to the river. There is even a section on biosolids, septic tanks and stormwater. You can choose to focus on one of these areas or do all three demonstrations. This program is appropriate for all ages (children to adults)!

**Formats: In person, video, or live video presentation**



## **Water Drops on a Penny**

The focus of this lesson is on the special properties of water; in this case, we demonstrate the surface tension of water. Using an eye dropper, the participants count how many drops of water they can place on the top of a penny. As the water forms mounds and then hugs the edge of the penny, the amazing surface tension of water is revealed!



Good activity for all ages

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**Formats: In person presentation only**

## **What is Stormwater?**

The focus of this lesson is stormwater and stormwater pollution. In this presentation we will cover what stormwater is and how it can affect our waterways. Geared to middle school and high school

**Formats: In person, video, or live video presentation**



**What is Stormwater?**

**Programs are provided on a first-come, first-served basis so call and schedule your free presentations today!**