

## **Cobb County Water System – Water Efficiency Program ELEMENTARY SCHOOL LESSONS AVAILABLE 2016-17**

### **Water Cycle Puppets**

**OBJECTIVE:** To learn the basic steps of the water cycle, students will sing the Water Cycle Song and meet Walter the Water Drop, create stick puppets for each step of the water cycle, and discuss why water is important to us.

**GRADE:** K-2

**STUDENT LIMIT:** 30 (per session)

**GPS:** SKCS4, SKP3, SSKG2, S1CS4, S1E2, S2CS4, S2P1

### **The Incredible Journey**

**OBJECTIVE:** Students will play a game that takes them on an “Incredible Journey” through lakes, rivers, oceans, soil, plants, and other stops along the way. Students will recognize that no two journeys through the water cycle are the same, and that water is essential to life.

**GRADE:** 2-4

**STUDENT LIMIT:** 40 (per session)

**GPS:** S2P1, S3CS4, S3L2, S4CS4, S4E3

### **Filtration Station (STEM Lesson)**

**OBJECTIVE:** Students will explore water treatment by using the engineering design process to experiment with different materials and create their own water filters. Students will gain a better understanding of the resources that go into treating our water and the importance of conserving.

**GRADE:** 4-6

**STUDENT LIMIT:** 30 (per session)

**GPS:** S5CS1, S5CS3, S5CS8, S5P2, S5L4, S6CS1, S6CS9, S6E5, S6E6

### **Animals & Epiphytes**

**OBJECTIVE:** Students will learn about adaptations of Georgia animals, what happens to a wetland ecosystem during drought, and what it’s like to be an animal trying to survive.

**GRADE:** 3-5

**STUDENT LIMIT:** 30 (per session)

**GPS:** S3CS4, S3L1, S3L2, S4CS4, S4L1, S4L2, S5CS4, S5L1

### **\*\*NEW\*\* Fourth Grade Series**

The fourth grade series combines three programs throughout the year (*Incredible Journey*, *Filtration Station*, and *Animals and Epiphytes*) to give students a well-rounded understanding of the water cycle, drinking water treatment, and drought. Call or email us to schedule the series for your fourth grade classes.

### **Who Polluted the Chattahoochee?**

**OBJECTIVE:** Students will participate in a hands-on demonstration of how pollution impacts our drinking water sources. They will learn the history of the Chattahoochee River, discuss the effects of various pollutants and suggest ways to help prevent water pollution.

**GRADE:** 3-5

**STUDENT LIMIT:** 35 (per session)

**GPS:** S3CS4, S3L2, S4CS4, S4L1, SS4H1, S5CS4, S5L4

### **Water Carry Relay**

**OBJECTIVE:** Students will participate in a water carry relay to understand the difficulties faced by early Americans and citizens of the developing world today. They will learn the importance of water systems, compare their water use to developing countries, and discuss ways to conserve.

**GRADE:** K-5

**STUDENT LIMIT:** 40 (per session)

**GPS:** PEK.1, PEK5.1, PE1.1, PE1.5, PE2.5, PE3.5, S3CS4, S3L2, PE4.5, PE5.5

### **\*\*NEW\*\* How Water Works**

**OBJECTIVE:** Students will explore water infrastructure and the man-made water cycle by building a model water and wastewater system, and will discover what happens to the water at each stop along the way.

**GRADE:** 3-5

**STUDENT LIMIT:** 30 (per session)

**GPS:** S3L2, SS3E2, S5L4, SS5E2

### **Day In The Life of Water (Water Careers)**

**OBJECTIVE:** Students will learn about the people and careers that help bring clean, safe drinking water to our homes each day and clean water after it is used.

**GRADE:** ALL

**STUDENT LIMIT:** Flexible

### **Water Jeopardy**

**OBJECTIVE:** During this water-themed version of the classic game show, students will be given a chance to compete in teams to answer questions about water. This is a fun game to help review water conservation concepts learned throughout the year.

**GRADE:** 3-8

**STUDENT LIMIT:** 50 (at a time)

### **Project Tappy**

**OBJECTIVE:** Students will spend a week with Tappy Turtle, the Water Efficiency Program's mini (plush) mascot, learning about the importance of clean, safe drinking water and of conservation. Tappy will arrive with activities for the students to do. Teachers can photograph Tappy's week with their class and return the photos to be posted on Tappy's Facebook page. *Please contact the Water Efficiency office to learn more about The Tappy Project or to schedule a visit with Tappy.*

**GRADE:** K-2

*Please feel free to contact us with specific requests. These programs are offered **FREE** to Cobb County Schools and private schools. Each lesson is approximately 30-40 minutes in duration, however, lessons can be time formatted to accommodate a particular group.*

*For more information or to schedule a program email [amy.warnock@cobbcounty.org](mailto:amy.warnock@cobbcounty.org) or call (770) 419-6374*