

**Cobb County Water System – Water Efficiency Program**  
**MIDDLE / HIGH SCHOOL LESSONS AVAILABLE 2016-17**

**Tri-State Negotiations**

**\*\*\*This lesson is also available as a webquest**

**OBJECTIVE:** Students will research the positions of the three states involved in the tri-state water wars, then hold a mock negotiation and try to come to a reasonable compromise using what they have learned. You can request a presenter to mediate negotiations or use our webquest to lead your own discussion.

**WebQuest URL:** <https://sites.google.com/site/tristatewaterwarswebquest/>

**GRADE:** 8-12

**STUDENT LIMIT:** 40

**GPS:** SS8G1, SSCG15, SSCG16, SSEF1, SES6, SEC2, SEV4, SEV5

**Water Around The World**

**OBJECTIVE:** Students will explore and discuss global water issues, such as scarcity, distribution, and water quality, and will then be challenged to come up with innovative ways to tackle these growing water scarcity and quality issues.

**GRADE:** 6-12

**STUDENT LIMIT:** Flexible

**GPS:** SS6G3, S6CS5, S6E5, SS7G2, SS7G10, SS8G1, SCSh6, SES6, SEC2, SEC5, SEV4, SEV5, SM4

**STEM for Streams**

**\*\*\*This program requires access to water and should be taught in a science lab if possible**

**OBJECTIVE:** In this interactive, hands-on activity, students will use their problem-solving skills to figure out the best way to measure the flow of a model stream. The group will discuss how they made their measurements and why, as well as how scientists use this critical data to manage our water resources.

**GRADE:** 6-9

**STUDENT LIMIT:** 30 per session

**GPS:** S6CS3, S6CS5, S6CS9, S6E5, S6E6, MCC6.RP.1, MCC6.RP.2, MCC7.G.3, MCC7.G.6, SS8G1

**Filtration Station**

**OBJECTIVE:** Students will explore the drinking water treatment process by experimenting with different materials in order to 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:** 5-7

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

**GPS:** S6CS1, S6CS9, S6E5, S6E6

**\*\*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:** 6-8

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

**GPS:** S6E5, SS8G1, SS8E4

**What Do You Know About Drought?**

**OBJECTIVE:** To understand the meaning of drought, students will explore the levels of drought, how various water users are affected by drought, and how drought is determined. Students will learn how decisions are made regarding water resources during times of stress, and will work together to create a plan for dealing with drought.

**GRADE:** 6-8

**STUDENT LIMIT:** Flexible

**GPS:** S6CS5, S6E3, S6E5, ELACC6SL1, ELACC6SL2, ELACC7SL1, ELACC7SL2, ELACC7SL3, SS8G1, ELACC8SL1, ELACC8SL3

**School Water Audit**

**OBJECTIVE:** To understand how water is used in the school, students will take a survey of water use, do a visual inspection for leaks, and talk to custodians, cafeteria staff, and administration. The students will then use this information to create a school water plan.

**GRADE:** 6-12

**STUDENT LIMIT:** 50 (per visit to school)

**GPS:** MCC7.SP.1, SSEF1, SSEPF1, SCSH3, SEV4

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

**OBJECTIVE:** Students will learn about how water moves from the reservoir through the treatment process, how it is used, and then how it travels through wastewater treatment. The focus is on the jobs in water that impact the day in the life of the water.

**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:** 6-8

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

*These lessons are offered **FREE** to Cobb County Schools and private schools. Note: Each lesson is approximately 45 minutes in duration, however, lessons can be time formatted to accommodate the particular group. Please feel free to contact us with specific topic requests.*

*For more information or to schedule a program, email Amy Warnock  
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