Anderson County Soil and Water Conservation District
1521 Pearman Dairy Road
Anderson, SC 29625
(864) 844-8224

K-12 Grade School Programs

Anderson County
Fall 2022 - Spring 2023

OVERVIEW

Education is a huge part of what we do here at ASWCD! These lessons are designed to help students learn about environmental stewardship and how they can make a difference in their own county!

Our Education and Outreach Coordinator is available to present classroom conservation programs for schools and youth groups on a limited basis. We are certified to teach all curriculum from Project WET, Project WILD and Project Learning Tree. All programs are correlated with SC Science Standards and tailored to each grade level.Please email Anaston Porter (anaston.porter@andersonswcd.org) if you are interested in one of our programs during the Fall 2022 - Spring 2023 school year!

Guidelines

- Programs are typically presented to one class at a time (max 25 students) with up to 3 presentations/classes at the same school in one day.
- We love being outside! If you have an outdoor classroom, it is preferred over indoors - but this is not a requirement.
- Most of our programs are 30-60 minute presentations depending on the topic.
- Programs are available on a first-come, first-serve basis and educator's calendars fill up quickly. Please contact us ASAP if you are interested in a program at your school.
- These programs are FREE with no cost to the school or youth groups

LESSONS

Elementary (K - 3rd)(4th - 5th)

Water	Description	Time	Key Words
The Incredible Journey (Project WET)	With the roll of a cube, students will simulate the movement of water within the water cycle. Students will: become a water drop and travel around the classroom to learn the water cycle, they will create a water bracelet out of beads	30 min.	Subject Areas: earth science
Blue Planet (Project WET)	Students estimate the percentage of Earth's surface that is covered by water by tossing an inflatable globe. Discussion on what water we can use vs. water that cannot be used by humans. Students will: Color a globe and discover how long water remains in locations such as rivers, lakes, groundwater and the ocean.	30 min.	Estimate, guess, percentage, water, travel Subject Areas: earth science, geography, math, and health
"Hey, Water!" Story Time Lesson!	Our Education and Outreach Coordinator will come to your class and read "Hey, Water!" to your students and teach a short lesson on the water cycle. **Book Description:** Splash along with a spunky little girl who realizes that water is EVERYWHERE! But, water doesn't always look the same, it doesn't always feel the same and it shows up in lots of different shapes!	30 min.	Water, water cycle, weather patterns,
Soil			
What is Soil? (GSWCD)	Students will learn what soil is and its composition (sand, silt and clay). Students will become soil scientists and place soil in jars with water and watch it separate into different layers.	30 min.	Soil, layers, particle size, organic matter
Wildlife			
Habitracks! (Project WILD)	Students will (1) identify the basic components of habitat such as food, water, shelter and space in suitable arrangement; and (2) generalize that these components of habitat are needed by all animals - including people and wildlife.	30 - 45 min.	Wildlife, wild, habitat, environment
Forestry			
Friends of the Forest	Students will learn about forest stewardship and how they can be friends of the forest. Children will know that the forest is made up of many different working parts, discover that forest stewardship is responsible use of the forest and will realize they can make a difference too!	20 - 30 min.	Stewardship, forest management, growth, ecosystem

***We also offer a lesson for elementary students using our *Enviroscape Table* - this lesson focuses on the importance of keeping our waters clean and our storm drains clean. Topics such as point and nonpoint source pollution will be covered. See attached flier for more details!**

Anderson County SOIL & WATER CONSERVATION DISTRICT

LESSONS

Middle School (6th - 8th)

Water	Description	Time	Key Words
The Incredible Journey (Project WET)	With the roll of a cube, students will simulate the movement of water within the water cycle. Students will: become a water drop and travel around the classroom to learn the water cycle. They will create a water bracelet out of beads and then write down a storyline about their movement as a water droplet. Students will then share their stories with the class and discuss things such as transpiration, evaporation, condensation, etc.	45 min.	Earth science, water cycle, transpiration, evaporation, condensation
Blue Planet (Project WET)	Students estimate the percentage of Earth's surface that is covered by water by tossing an inflatable globe. Discussion on what water we can use vs. water that cannot be used by humans. Students will: Color a globe and discover how long water remains in locations such as rivers, lakes, groundwater and the ocean. Estimate, guess, percentage, water, travel.	30 min.	Earth science, geography, math, and health
Soil			
What is Soil? (GSWCD)	Students will learn what soil is and its composition (sand, silt and clay). Students will become soil scientists and place soil in jars with water and watch it separate into different layers.	30 min.	Soil, layers, particle size, organic matter
Wildlife			
Habitracks! (Project WILD)	Students will identify common animal tracks and the species that match with them along with their habitat requirements. They will also make plaster casts of animal tracks. Looking for evidence of wildlife is one method of determining what animal species live in certain areas and their habitat requirements.	1 hr	Wildlife, natural resources, tracks, identification
Agriculture			
Careers in Ag and Soil/Water Conservation	Identify careers in Agriculture and Soil/Water Conservation. Discuss duties and responsibilities related to these careers. List the training needed for these careers and talk about different colleges or workplaces that offer pathways in these subject areas.	45 min.	Agriculture, careers, college ready

***We also offer a lesson for middle school students using our *Enviroscape Table* - this lesson focuses on the importance of keeping our waters clean and our storm drains clean. Topics such as point and nonpoint source pollution will be covered. See attached flier for more details!**

Anderson County SOIL & WATER CONSERVATION DISTRICT

High School (9th - 12th)

Topic: Agriculture and Natural Resources Careers			
Careers in Ag and Soil/Water Conservation	Identify careers in Agriculture and Soil/Water Conservation. Discuss duties and responsibilities related to these careers. List the training needed for these careers and talk about different colleges or workplaces that offer pathways in these subject areas.	45 min.	Agriculture, careers, college ready
Stream Health with Adopt-A-Stream Introduction: Bacterial/Chemical and Macroinvertebrates			
Stream Health: Adopt-A-Stream Introduction	The SC Adopt-a-Stream program is led in partnership by SC Department of Health and Environmental Control and the CU Center for Watershed Excellence. Our Education and Outreach Coordinator is certified in Adopt-A-Stream practices and will share information on what Adopt-A-Stream is, how students can get involved in their own neighborhood, and even take students outside to do a sample stream test. This lesson can be tailored to what your class would like to learn. We can focus on bacterial/chemical monitoring, or macroinvertebrate monitoring.	1 hr	Water quality management, stream health, macroinvertebrates, bacterial/chemical monitoring
Wildlife			
Wildlife Research (Project WILD)	Students will (1) identify reasons for research related to wildlife and (2) evaluate appropriate kinds of research related to wildlife. Students will also discuss careers in wildlife research and how they can help local efforts in wildlife conservation.	1 hr	Wildlife, research