

# Washington Soil & Water Conservation District

## Educational Programs

### Kindergarten –

- **Turkey Calls – K.PS.2 – Some objects and materials can vibrate and produce sound.** Students will learn how turkeys communicate through a variety of sounds. Using different materials students will make the different sounds made by the turkeys.
- **Batty for Bats – K.LS.2 – Living things have physical traits and behaviors, which influence their survival.** Students will learn about bats' structure and behavior traits used for their survival.

### 1<sup>st</sup> Grade –

- **Water Cycle – 1.ESS.2 – Water on Earth is present in many forms.** Students will learn about water being in solid and liquid form around the world, how the water changes from one to another and importance of water.
- **The Life Box/Oh Deer! – 1.LS.1 – Living things have basic needs, which are met by obtaining materials from the physical environment.** Students learn how the basic needs for energy are food (sunlight), water, air and space. Those elements are represented by the items inside the life box. Students will then play Oh Deer! To see the needs of a deer and who will survive meeting all their needs.
- **Which Bear Goes Where? – 1.LS.2 – Living things survive only in environments that meet their needs.** Students will compare the habitat, appearances, and survival skills of Polar Bears, Black Bears and Grizzly Bears.

### 2<sup>nd</sup> Grade –

- **Incredible Journey - 2.ESS.2 – Water is present in the atmosphere.** Students will go through the water cycle themselves as a drop of water documenting their journey and it's different for every drop (every student).
- **Worm Bin – 2.LS.1 – Living things cause changes on Earth.** Students will look at a working worm bin and see the changes caused by the worms.
- **Fossils – 2.LS.2 – All organisms alive today result from their ancestors, some of which may be extinct. Not all kinds or organism that lived in the past are represented by living organisms today.** Students will explore homemade fossils deciding what could have made the fossil. Is the fossil of something still alive and around today?

### 3<sup>rd</sup> Grade –

- **Soils – 3.ESS.1 – Earth's nonliving resources have specific properties.** Students will explore different soils through their color, size and texture.
- **Lake Illusion – 3.ESS.3 – Some of Earth's resources are limited.** Students will look at how pollution affects our water through the Lake Illusion demonstration. How can we prevent pollution?
- **Which Beak works best? – 3.LS.2 – Individuals of the same kind of organism differ in their inherited traits. These differences give some individuals an advantage in surviving and/or reproducing.** Students will act as different birds trying to use different beaks to collect food.

### 4<sup>th</sup> Grade –

- **Erosion & Weathering – 4.ESS.1 – Earth's surface has specific characteristics and landforms that can be identified. 4.ESS.2 - The surface of Earth changes due to weathering.** Students will get to perform erosion and weathering activities while learning what causes it.
- **What happened to my home? – 4.LS.1 – Changes in an organism's environment are sometimes beneficial to its survival and sometimes harmful.** Students learn about habitat changes through the Lorax's deforestation and the effects that can be caused by drought.

## 5<sup>th</sup> Grade –

- **Are you my friend or foe? – 5.LS.1 – Organisms perform a variety of roles in an ecosystem.** Students learn about the predator/prey relationship and parasitism relationship.
- **Invasive Species – 5.LS.2 – All of the processes that take place within organisms require energy.** Students will learn what happens when an invasive species (Emerald Ash Borer) is introduced into a non-affected environment. Don't move firewood!
- **What's for Lunch? - 5.LS.2 – All of the processes that take place within organisms require energy.** Students will learn about the food web and what happens when key players are removed.

## General Activities –

- Plant Cycle
- Insects
- Ag in the Classroom
- Monarch Butterflies
- Turkey Adaptations
- Move Over Rover – Ecosystems
- First Impressions – “Scary” animals have a purpose too
- Hiding in Plain Sight – Animal Camouflage
- A drop in the bucket – How much fresh water is on earth?
- Ag Careers
- Cowbird Parasitism – Animal Symbiotic Relationships

## How to schedule?

The above activities are based on the Ohio Science Learning Standards. If you have an activity in mind not listed or would like to schedule a visit, please reach out to Alexis Coffman at 740-885-3289 or [acoffman@wcgov.org](mailto:acoffman@wcgov.org).

For educational services related to wildlife or forestry, please contact the District's Wildlife/Forestry Specialist; Hannah Swope at 740-885-3318 or [hswope@wcgov.org](mailto:hswope@wcgov.org).

For educational services related to stormwater, please contact the District's Stormwater Coordinator; Kathy Davis at 740-885-3312 or [Kathy.davis@oh.nacdnet.net](mailto:Kathy.davis@oh.nacdnet.net).