

## Putnam Soil and Water: 1<sup>st</sup> Grade Programs

The following programs are designed for first grade classes and align to the state standards. All materials are provided and programs are free. To schedule a program email Bonnie Brooks with class sizes, specific dates and program name to [bonnie.brooks@putnamcountyohio.gov](mailto:bonnie.brooks@putnamcountyohio.gov).

**First Grade – 1.EES.2. Water can be observed in many different forms. Water can change the shape of the land. 1.LS.1 Living things have basic needs, which are met by obtaining materials from the physical environment. 1.LS.2: Living things survive only in environments that meet their needs.**

1. Crawdad Creek: What lives around a creek? Students will place their critter in the creek as we read *Crawdad Creek*. Check out real crawdads if it's the season. Kids take home a coloring page.

2. Pelts: What animals can survive in the water? Guessing Game. What allows an animal to survive if they live in the water in Ohio? We will place pelts out and have kids walk around and look at and touch each. Identify the animal and decide if it lives in the water? Children identify the special characteristics of pelts of different animals?

3. Worm bin: What's in a bin. Kids explore the creatures in a worm bin with 1000 x's magnifiers. What conditions are in the environment and how does the worm survive here?

4. Trees. Project Learning Tree Activities: Tree Factory: Kids play a game and learn the parts of a tree and how it makes its own food. Tree Cookies: Look at a cross section of a tree to look at the parts they just portrayed in the game. Check out some amazing, cool trees that live in all kinds of environments and adaptations that help them survive.



5. Mini Stream Tables: Set up ice blocks in outdoor stations with thermometers before we begin. Use ice and water in a large stream to show how water can change the shape of the land. Then teams of students will experiment with mini stream tables. Students see how water creates landforms. Ideally stations would be set up outside.

6. The Incredible Journey: We read a book, look at a world map to see how much of it is covered by water and brainstorm the different forms of water and where we find them. Students then become a raindrop and see what happens over time. Kids put together a bracelet that shows their adventure.

7. Don't Croak: Kids play a game to learn about cool frog facts and then become frogs trying to survive in their environment with party blowers and their own jumping legs.

8. Oh Deer!: What do deer need to survive and what happens to them as their resources become depleted? Children will find out as they play this game and then another in a race to find their prey.

9. Monarchs and Milkweed: What are the needs of milkweed and monarchs and what is their special relationship with each other? Students will release milkweed floss, dress up like a butterfly and learn why a milkweed needs the butterfly just like the butterfly needs milkweed.