

# Educational Programs for Grade 4

## Correlated to Tennessee State Science Standards

Revised 12/2014

### Small Groups (< 60 students)

Minimum number of programs will be determined by multiples of 20.  
 (For a group of 40 students, the minimum number of programs will be 2; 60 students will be 3)

\* - All programs correlated with TN State Curriculum Standards in Science

\*\* - Staff led programs with rotation style schedule

\*\*\* - Groups should be split into a maximum of 20 students.

Program Title	Description	Price and Location	GLE Correlations
<b>Animal Signs</b>	Explore the many clues left behind by our animal inhabitants through this educational hike. Just because we can't always see them doesn't mean they're not there! Learn how to become an animal detective.	<b>Price:</b> \$2.00/student <b>Location:</b> Wilderness Station at Barfield Crescent Park	<b>GLE 0407.4.1</b> Recognize the relationship between reproduction and the continuation of a species. <b>GLE 0407.5.1</b> Analyze physical and behavioral adaptations that enable organisms to survive in their environment.
<b>Turtles of Tennessee</b>	There are many differences between species of turtles from where they live, to what they eat, to what threatens them. We will study three (3) very different turtles that can be found here in Murfreesboro and look at special adaptations they each have. Examine live turtles and shells as we classify each animal to determine their similarities and their differences.	<b>Price:</b> \$2.00/student <b>Location:</b> Wilderness Station at Barfield Crescent Park	<b>GLE 0407.3.2</b> Investigate different ways that organisms meet their energy needs. <b>GLE 0407.4.1</b> Recognize the relationship between reproduction and the continuation of a species. <b>GLE 0407.5.1</b> Analyze physical and behavioral adaptations that enable organisms to survive in their environment.

<b>Exploring the River</b>	Hike down to the west fork of the Stones River to explore the aquatic life that resides there. Learn about the three ways scientists determine water quality through collecting species, physical traits and the use of various instruments. Then decide for yourself if our river is clean. Allow 2 hours for this program.	<b>Price:</b> \$4.00/student <b>Location:</b> Wilderness Station at Barfield Crescent Park	<b>GLE 0407.2.1</b> Analyze the effects of changes in the environment on the stability of an ecosystem. <b>GLE 0407.5.1</b> Analyze physical and behavioral adaptations that enable organisms to survive in their environment.
<b>Mammals of Tennessee</b>	Why are we in the same class as a bat? Learn what special characteristics mammals have to make them mammals – including us. Discover our native mammals through a hands-on exploration of pelts & skulls.	<b>Price:</b> \$2.00/student <b>Location:</b> Wilderness Station at Barfield Crescent Park	<b>GLE 0407.3.2</b> Investigate different ways that organisms meet their energy needs. <b>GLE 0407.4.1</b> Recognize the relationship between reproduction and the continuation of a species. <b>GLE 0407.5.1</b> Analyze physical and behavioral adaptations that enable organisms to survive in their environment.
<b>My Tennessee Home</b>	Tennessee is one of the most diverse states in this country and we are lucky enough to share in its beauty. On this hike, we will learn about and admire the nature symbols that define the state of Tennessee.	<b>Price:</b> \$2.00/student <b>Location:</b> Wilderness Station at Barfield Crescent Park	<b>GLE 0407.4.2</b> Differentiate between complete and incomplete metamorphosis. <b>GLE 0407.5.1</b> Analyze physical and behavioral adaptations that enable organisms to survive in their environment.
<b>Endangered Species</b>	Many species of plants and animals are diminishing at an alarming rate. What can we do about it? Learn why this is happening, what species are at the highest risk, and what can be done to turn this trend around.	<b>Price:</b> \$2.00/student <b>Location:</b> Wilderness Station at Barfield Crescent Park	<b>GLE 0407.2.1</b> Analyze the effects of changes in the environment on the stability of an ecosystem. <b>GLE 0407.4.1</b> Recognize the relationship between reproduction and the continuation of a species. <b>GLE 0407.5.1</b> Analyze physical and behavioral adaptations that enable organisms to survive in their environment. <b>GLE 0407.5.2</b> Describe how environmental changes caused the extinction of various plant and animal species.

<b>Owl Pellets</b>	Unlock the mysteries of these great night stalkers. Discover special adaptations, listen to their calls, and find out what they eat through this cool hands-on activity.	<b>Price:</b> \$5.00/student <b>Location:</b> Wilderness Station at Barfield Crescent Park	<b>GLE 0407.3.2</b> Investigate different ways that organisms meet their energy needs. <b>GLE 0407.5.1</b> Analyze physical and behavioral adaptations that enable organisms to survive in their environment.
<b>Predator/Prey</b>	Everybody needs to eat! Learn about the delicate balance of an ecosystem by creating your own food chain. Then try your hand at an activity to see if you'd survive as a predator or a prey.	<b>Price:</b> \$2.00/student <b>Location:</b> Wilderness Station at Barfield Crescent Park	<b>GLE 0407.2.1</b> Analyze the effects of changes in the environment on the stability of an ecosystem. <b>GLE 0407.3.2</b> Investigate different ways that organisms meet their energy needs. <b>GLE 0407.5.1</b> Analyze physical and behavioral adaptations that enable organisms to survive in their environment.
<b>Reptiles and Amphibians</b>	What's the difference between a lizard and a salamander? How about a turtle and a toad? Discover some similarities and many differences between these two classes of cold-blooded vertebrates. Our resident educational animals will help out through a hands-on exploration of these unique animals.	<b>Price:</b> \$2.00/student <b>Location:</b> Wilderness Station at Barfield Crescent Park	<b>GLE 0407.3.2</b> Investigate different ways that organisms meet their energy needs. <b>GLE 0407.4.1</b> Recognize the relationship between reproduction and the continuation of a species. <b>GLE 0407.5.1</b> Analyze physical and behavioral adaptations that enable organisms to survive in their environment.
<b>Tree of Life</b>	Trees are connected to life in many different ways: they provide air for us to breathe, shelter to various animals, and food for living things. Find out how they work and then meet a tree up close and personal.	<b>Price:</b> \$2.00/student <b>Location:</b> Wilderness Station at Barfield Crescent Park	<b>GLE 0507.2.1</b> Investigate different nutritional relationships among organisms in an ecosystem. <b>GLE 0507.2.2</b> Explain how organisms interact through symbiotic, commensal, & parasitic relationships. <b>GLE 0507.3.1</b> Demonstrate how all living things rely on the process of photosynthesis to obtain energy.

## How to Make a Reservation

1. Pick a date.
  - We accommodate school groups on Thursdays and Fridays.
  - Call early as we fill up fast, especially in the spring and fall.
2. Pick a program or several programs.
  - Choose one (or more) from the above page that is appropriate for your group.
  - Programs run approximately 45 minutes each (unless otherwise noted).
  - Groups should be split into a maximum of 20 students.
3. Call to schedule your group.
  - Contact Rachel Singer at 217 – 3017 or [rsinger@murfreesborotn.gov](mailto:rsinger@murfreesborotn.gov) to reserve a date and discuss program options.

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Generic Agenda	
9 AM – 10 AM	Staff Led Program
10 AM – 11 AM	Post Activity and Hike with your class
11 AM – 11:30 AM	Sack Lunch in the park (not provided by MPRD)
11:30 am – 2 PM	Free Time/Playground and Green Space
<b>Note to Teachers: Times can be adjusted to fit school schedules.</b>	

<b>\$40.00 Pavilion rental + \$3.00 per student participating</b> (Unless otherwise noted)
** Post activities provided
** All programs correlated with TN State Curriculum Standards in Science
** Staff present for program and post activities

Program Title	Description	Price and Location	GLE Correlations
<b>Whoo's There</b>	Learn about the owls that call Tennessee home including their habitats, feeding behaviors, and other interesting, fun facts. Then let us introduce you to our resident Eastern Screech Owl.	<b>Price:</b> \$3.00/student <b>Location:</b> Barfield Crescent Park; Old Fort Park or Cason Trail (school picks)	<b>GLE 0407.3.2</b> Investigate different ways that organisms meet their energy needs. <b>GLE 0407.4.1</b> Recognize the relationship between reproduction and the continuation of a species. <b>GLE 0407.5.1</b> Analyze physical and behavioral adaptations that enable organisms to survive in their environment.

<p><b>Owl Pellets</b></p>	<p>Learn about the owls that call Tennessee home including their habitats, feeding behaviors, and other interesting, fun facts. Then, study the eating habits of owls and how food chains work in nature by dissecting a regurgitated owl pellet. Older students can then reconstruct the skeletons of shrews, moles, and birds found within their pellet.</p>	<p><b>Price:</b> \$5.00/student <b>Location:</b> Barfield Crescent Park; Old Fort Park or Cason Trail (school picks)</p>	<p><b>GLE 0407.3.2</b> Investigate different ways that organisms meet their energy needs. <b>GLE 0407.4.1</b> Recognize the relationship between reproduction and the continuation of a species. <b>GLE 0407.2.1</b> Analyze the effects of changes in the environment on the stability of an ecosystem.</p>
<p><b>Aquatic Mammals of the Stones River II</b></p>	<p>Discover what mammals live in the Stones River and how they are able to survive year round. Students will be able to compare and contrast a beaver, an otter, a muskrat, and a mink; while learning about their requirements for survival, special adaptations, and what challenges they face in the wild.</p>	<p><b>Price:</b> \$3.00/student <b>Location:</b> Barfield Crescent Park; Old Fort Park or Cason Trail (school picks)</p>	<p><b>GLE 0407.2.1</b> Analyze the effects of changes in the environment on the stability of an ecosystem. <b>GLE 0407.3.2</b> Investigate different ways that organisms meet their energy needs. <b>GLE 0407.4.1</b> Recognize the relationship between reproduction and the continuation of a species. <b>GLE 0407.5.1</b> Analyze physical and behavioral adaptations that enable organisms to survive in their environment.</p>

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