



U.S. DEPARTMENT OF  
**ENERGY**

Legacy  
Management



# 2015–2016 Girl Scout Programs





## 2015–2016 Girl Scout Programs Fernald Preserve



### DAISY

#### Experience Diversity in Nature

Get outdoors and check out the assorted shapes, colors, and behaviors in nature's ever-changing spectrum of living things. We will consider things like seeds, movement, and the many ways plants and animals survive. We will also reflect on how we feel and think when we are outdoors, and discuss our individual responses to being surrounded by nature.

Cost:	Free
Participants:	10 minimum/20 maximum
Dates:	Anytime
Time:	Varies

#### Contact

Penny Borgman  
(513) 648-3334  
[penny.borgman@lm.doe.gov](mailto:penny.borgman@lm.doe.gov),  
Fernald Preserve Visitors Center  
7400 Willey Road, Hamilton, Ohio 45013





## 2015–2016 Girl Scout Programs

Fernald Preserve



### BROWNIE

#### Frogs and Toads

Wetland restoration and improvements at the Fernald Preserve have made it possible for us to provide habitat for eight different species of frogs and toads at the site. Join us as we hike to where our amphibian friends live and investigate along the water's edge, listening and looking for frogs and toads. Don't miss this **"ribbiting,"** close-up experience to learn about the many reasons it is important for communities to protect wetland habitats.

Bring a flashlight and wear rubber boots or shoes that can get wet. Please do not wear sandals or open-toe shoes.

Cost: Free  
Participants: 10 minimum/20 maximum  
Dates: April and May  
Time: Sunset

#### Contact

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# 2015–2016 Girl Scout Programs

## Fernald Preserve



### JUNIOR

#### Investigating Green Energy

Explore how the Fernald Preserve Visitors Center operates without leaving negative effects on the Earth. The heating and cooling systems conserve energy, biowetlands handle wastewater from site buildings, and several other features contribute to the site earning its Leadership in Energy and Environmental Design (LEED) green building status.

We hope you'll enjoy a fun, energy scavenger hunt, a hike to the biowetland, and a recycled-paper bead craft.

- Cost: Free
- Participants: 10 minimum/20 maximum
- Dates: Anytime
- Time: Varies

#### Tagging Monarch Butterflies

Migrating monarch butterflies are here only for a limited time! Learn all about their life cycle, habitat, and migration. During your visit you'll be part of a citizen-scientist program tagging (small circular stickers attached to wings) monarch butterflies. Hands-on science projects and information sharing may help solve monarch mysteries. What you learn during this program will enable you to help these winged wonders.

- Cost: Free
- Participants: 10 minimum/30 maximum
- Dates: Mid- to late-September
- Time: Sunset

#### Contact

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## 2015–2016 Girl Scout Programs Fernald Preserve



### JUNIOR (continued)

#### Frogs and Toads

Wetland restoration and improvements at the Fernald Preserve have made it possible for us to provide habitat for eight different species of frogs and toads at the site. Join us as we hike to our amphibian friend's habitat and investigate along the water's edge listening, and looking for frogs and toads. Don't miss this "**ribbiting**," close-up experience to learn about the many reasons it is important for communities to protect wetland habitats.

Bring a flashlight and wear rubber boots or shoes that can get wet. Please do not wear sandals or open-toe shoes.

Cost:	Free
Participants:	10 minimum/20 maximum
Dates:	April and May
Time:	Sunset

#### Contact

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# 2015–2016 Girl Scout Programs

## Fernald Preserve



### CADETTE

#### Navigating the Night Sky

Begin your experience in the Visitors Center, learning to read a star chart (map) of the sky showing the locations of the stars, constellations, and the five brightest, or “naked-eye,” planets (Mercury, Venus, Mars, Jupiter, and Saturn), that can be seen from Earth without special equipment. The adventure continues when you step out of the center and into the night to practice your new skills.

Please bring a flashlight that we can cover with red cellophane to preserve your night vision and still allow you to read your star chart. Weather permitting, you’ll experience an awesome night-sky adventure!

- Cost: Free
- Participants: 15 minimum/25 maximum
- Dates: December, January, and February
- Time: Sunset

#### Fireflies Light Up the Night

Known also as lightning bugs, fireflies are neither bugs nor flies; they are actually beetles. All that flashing is their form of communication. Did you know different species of fireflies can be identified by their different light-flashing patterns?

Events of the evening will teach you to recognize the different types of fireflies among the flashing lights. The color and length of the flash, number of flashes, length of time between flashes, and the time of night you witness the flashes are all clues to identifying these blinking beetles.

Find out how you can become involved as a Citizen Scientist to track the fate of these insects.

Don’t miss this illuminating experience!

- Cost: Free
- Participants: 15 minimum/25 maximum
- Dates: Mid-June to Mid-July
- Time: Sunset

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# 2015–2016 Girl Scout Programs

## Fernald Preserve



### CADETTE (continued)

#### Nature at Night

Witness the tranquility of nature at night.

See how easy it is to use your night vision and other senses to make your way comfortably through natural darkness. Learn about the night-loving—nocturnal—animals that are perfectly at home in our area, and about their special adaptations. We will try to call an owl into our midst before the event is over!

Bring a flashlight to help you uncover the mysteries of nature at night. Please do not wear sandals or open-toe shoes.

- Cost: Free
- Participants: 15 minimum/30 maximum
- Dates: Year round
- Time: Sunset

#### Autumn’s Amazing Trees

Have you ever wondered why the leaves on trees turn from green to an amazing palette of yellow, orange, red, and purple every autumn, or why their colors are better some years than others? Maybe you’ve wondered why leaves are green in the first place?

Answers to these questions and many more will be uncovered during this program, as we stroll along a 3-mile trail, exploring the facts and fables of leaves and the wild autumn harvest.

The program will begin indoors, as we discuss and draw the visible and hidden parts of a tree.

- Cost: Free
- Participants: 10 minimum/25 maximum
- Dates: Mid-September through October
- Time: Varies

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# 2015–2016 Girl Scout Programs

## Fernald Preserve



### SENIOR

#### Navigating the Night Sky

Begin your experience in the Visitors Center, learning to read a star chart (map) of the sky showing the locations of the stars, constellations, and the five brightest, or “naked-eye,” planets (Mercury, Venus, Mars, Jupiter, and Saturn), that can be seen from Earth without special equipment. The adventure continues when you step out of the Visitors Center and into the night to practice your new skills.

Please bring a flashlight that we can cover with red cellophane to preserve your night vision and still allow you to read your star chart. Weather permitting, you’ll experience an awesome night-sky adventure.

- Cost: Free
- Participants: 15 minimum/25 maximum
- Dates: December, January, and February
- Time: Sunset

#### The Perseid Meteor Showers

Join us for a wonderful night under the stars observing the annual Perseid meteor shower while identifying some summer constellations and locating the North Star. As Earth passes near a comet’s orbit some of the debris can hit Earth’s atmosphere and turn into meteors, producing up to 60 “shooting stars” per hour. Perseid meteors are typically fast and bright, and some leave persistent trails.

Watching for meteors can be a waiting game, and you will want to be comfortable while enjoying the show, so bring a blanket or a folding chair with you to this activity.

- Cost: Free
- Participants: 20 minimum/100+ maximum
- Dates: Second weekend in August
- Time: 10:00 p.m. to midnight

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## Fernald Preserve



### AMBASSADOR

#### A Changing Landscape—From Rural to Industrial to Nature Preserve

Journey through time and generations at a former Cold War weapons complex that has been remediated and restored to a public nature preserve. The Fernald Preserve’s amazing story highlights how citizens contributed to serving our nation’s needs from producing cold war materials to removing environmental contamination.

Much can be learned from this story of recovery, community activism, legislative regulation, and successful teamwork between multiple stakeholder groups.

- Cost: Free
- Participants: 10 minimum/25 maximum
- Dates: Anytime
- Time: Varies

#### Water—The Community Connector

The Fernald Preserve was once a complex that performed industrial work, which led to many kinds of environmental pollution, including contamination of the local aquifer.

How did the contamination happen, who did it affect, and how is it being cleaned up? Learn about the hidden Great Miami Buried Valley Aquifer that supplies drinking water to a large portion of southwest Ohio.

Water is important to the Fernald Preserve, supplying its wetlands, aquifer monitoring wells, and the Paddys Run stream. This amazing resource is a great community connector that demands our attention.

- Cost: Free
- Participants: 10 minimum/25 maximum
- Dates: Anytime
- Time: Varies

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## Fernald Preserve Visitors Center Meeting Room

Available at our facility is a room that is perfect for hosting your next Girl Scout meeting or event. Fernald Preserve has a state-of-the-art community meeting room large enough to accommodate 80+ people. There is no charge to any scouting group interested in using the room.

To make a reservation, please contact:

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