



# Outreach Program Guide 2011—2012

Ijams Nature Center is a 275-acre wildlife sanctuary and environmental learning center, providing community-wide connections and experiences through education, conservation, recreation and responsible environmental stewardship for all people.



*Experience nature. Experience life.*

# Outreach Programs by Grade Level

## Preschool

Outreach programs are available for ages 3 and up. Programs are 30 minutes in length, and include the following topics to suit your needs: Birds, Bats, Mammals, Reptiles and Amphibians, or Insects and Spiders. Length: 0.5 hour  
Includes a live animal presentation.



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## Kindergarten

### ***Bats***

The exciting world of bats is explored through a short video, PowerPoint presentation, sensory game, bat artifacts, and preserved animals. Length: 1 hour  
Grade Level Expectations: 2.1, 2.2, 3.1



### ***Animals in Winter***

Through Ijams' enviro-quilt, along with puppets and live animals, students learn all about how native animals use unique survival strategies during the winter (hibernation, dormancy, migration, or remaining active throughout the season). Length: 1 hour  
Grade Level Expectations: 2.1, 3.1, 10.1



### ***Wild Animals & Their Young***

Students use their senses to explore the lives of young animals. This presentation includes live animals, animal sounds, a PowerPoint presentation, and games. Length: 1 hour  
Grade Level Expectations: 3.1, 4.1, 4.2



### ***Food Web***

Foundation ecological concepts such as food chains, habitats, and the needs of plants and animals are explored using microscopes, puppets, and games. Length: 1 hour  
Grade Level Expectations: 2.1, 3.1, 5.1, 10.1

### ***Reptiles & Amphibians***

Live animals, specimens, skeletons, touch tables, and a PowerPoint presentation bring to life the astonishing characteristics of reptiles and amphibians. Length: 1 hour.  
Grade Level Expectations: 2.2, 2.3, 2.4, 3.1, 5.2

# **Grade 1**

## ***Bats***

The exciting world of bats is explored through a short video, PowerPoint presentation, sensory game, bat artifacts, and preserved animals. Length: 1 hour

Grade Level Expectations: 2.1, 2.2, 3.1

## ***Animals in Winter***

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Grade Level Expectations: 2.1, 3.1, 10.1

## ***Wild Animals & Their Young***

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Grade Level Expectations: 3.1, 4.1, 4.2

## ***Food Web***

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Grade Level Expectations: 2.1, 3.1, 5.1, 10.1

## ***Reptiles & Amphibians***

Live animals, specimens, skeletons, touch tables, and a PowerPoint presentation bring to life the astonishing characteristics of reptiles and amphibians. Length: 1 hour.

Grade Level Expectations: 2.1, 3.1, 4.1, 4.2, 5.1

## ***Lifecycles***

Students investigate the lifecycles of animals and flowering plants including metamorphosis and reproduction through discovery centers, media presentations, and games. Length: 1 hour.

Grade Level Expectations: 2.1, 3.1, 4.1, 4.2

## ***Endangered Species***

Through games and role-playing, students learn how an animal or plant species can become endangered or extinct. Length: 1 hour.

Grade Level Expectations: 3.1, 5.1, 5.2



## **Grade 2**

### ***Insects & Spiders***

The lives and characteristics of insects and spiders are discussed through a PowerPoint presentation, activities, insect collections, and live arthropods. Length: 1 hour.

Grade Level Expectations: 2.1, 2.2, 2.3, 3.1, 4.2, 5.1



### ***Endangered Species***

Through games and role-playing, students learn how an animal or plant species can become endangered or extinct. Length: 1 hour.

Grade Level Expectations: 1.1, 2.2, 2.3, 2.4, 3.1, 5.1, 5.2

### ***Animal Coverings***

Characteristics and body covering of five groups of native animals are discussed using interactive activities, discovery centers, and games.

Length: 1 hour

Grade Level Expectations: 1.1, 2.1, 2.2, 4.2, 5.1



### ***Bats***

The exciting world of bats is explored through a short video, PowerPoint presentation, sensory game, bat artifacts, and preserved animals. Length: 1 hour

Grade Level Expectations: 2.1, 2.2, 3.1, 4.1, 4.2, 5.1



### ***Food Web***

Foundation ecological concepts such as food chains, habitats, and the needs of plants and animals are explored using microscopes, puppets, and games. Length: 1 hour

Grade Level Expectations: 1.1, 2.1, 2.3, 3.1, 10.1

### ***Reptiles & Amphibians***

Live animals, specimens, skeletons, touch tables, and a PowerPoint presentation bring to life the astonishing characteristics of reptiles and amphibians. Length: 1 hour.

Grade Level Expectations: 1.1, 2.1, 3.1, 4.1, 4.2, 5.1



### ***Lifecycles***

Students investigate the lifecycles of animals and flowering plants, including metamorphosis and reproduction, through discovery centers, PowerPoint presentations, and games. Length: 1 hour.

Grade Level Expectations: 1.1, 2.1, 2.3, 3.1, 4.1, 4.2

## **Grade 3**

### ***Reptiles & Amphibians***

Live animals, specimens, skeletons, touch tables, and a PowerPoint presentations bring to life the astonishing characteristics of reptiles and amphibians. Length: 1 hour.

Grade Level Expectations: 1.1, 2.2, 3.1, 4.1, 5.1, 5.2

### ***Lifecycles***

Students investigate the lifecycles of animals and flowering plants, including metamorphosis and reproduction, through discovery centers, a PowerPoint presentation, and games. Length: 1 hour.

Grade Level Expectations: 1.1, 2.2, 3.1, 4.1, 5.1, 5.2

### ***All About Bats***

The lives of bats are often a mystery to us and are often misunderstood. Some of these misconceptions will be explored while students learn about the many adaptations of bats, the native bats of East Tennessee, the differences between bats from around the world, and the current issues facing bats and how we can help. Length: 1 hour

Grade Level Expectations: 1.1, 2.2, 3.1, 4.1, 5.1, 5.2

### ***Adaptations of East Tennessee Animals***

Students explore the similarities, differences, and amazing adaptations of vertebrates and invertebrates. Activities, touch tables, a PowerPoint presentation, and games are all featured. Length: 1 hour.

Grade Level Expectations: 1.1, 2.1, 2.2, 3.1, 4.1, 5.1, 5.2

### ***Animal Coverings***

Characteristics and body covering of five groups of native animals are discussed, using interactive activities, discovery centers, and games. Length: 1 hour

Grade Level Expectations: 1.1, 2.2, 3.1, 4.1, 5.1, 5.2

### ***Endangered Species***

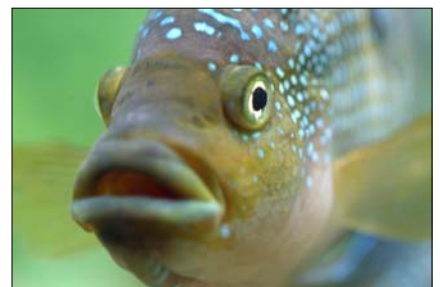
Through games and role-playing, students learn how an animal or plant species can become endangered or extinct. Length: 1 hour.

Grade Level Expectations: 2.2, 2.3, 2.4, 3.1, 5.1, 5.2

### ***Insects & Spiders***

The lives and characteristics of insects and spiders are discussed through a PowerPoint presentation, activities, insect collections, and live arthropods. Length: 1 hour.

Grade Level Expectations: 1.1, 2.2, 3.1, 4.1, 5.1, 5.2



## **Grade 4**

### ***Adaptations of East Tennessee Animals***

Students explore the similarities, differences, and amazing adaptations of vertebrates and invertebrates. Activities, touch tables, a PowerPoint presentation, and games are all featured. Length: 1 hour.

Grade Level Expectations: 2.1, 3.2, 4.1, 4.2, 5.1

### ***Arachnids***

The beauty, diversity, and importance of arachnids are explored through the use of live animals, hands-on activities, discovery stations, and a PowerPoint Presentation. Length: 1 hour.

Grade Level Expectations: 2.1, 3.2, 5.1



### ***Reptiles & Amphibians***

Live animals, specimens, skeletons, discovery centers, and PowerPoint presentations bring to life the astonishing characteristics of reptiles and amphibians. Length: 1 hour.

Grade Level Expectations: 2.1, 3.2, 4.1, 4.2, 5.1, 5.2

### ***Lifecycles***

Students investigate the lifecycles of animals and flowering plants, including metamorphosis and reproduction, through discovery centers, a PowerPoint presentation, and games. Length: 1 hour.

Grade Level Expectations: 3.1, 3.2, 4.1, 4.2



### ***All About Bats***

The lives of bats are often a mystery to us and are often misunderstood. Some of these misconceptions will be explored while students learn about the many adaptations of bats, the native bats of East Tennessee, the differences between bats from around the world, and the current issues facing bats and how we can help. Length: 1 hour

Grade Level Expectations: 2.1, 3.2, 4.1, 5.1, 5.2



### ***Animal Coverings***

Characteristics and body covering of five groups of native animals are discussed, using interactive activities, discovery centers, and games.

Length: 1 hour

Grade Level Expectations: 3.2, 5.1, 5.2

### ***Endangered Species***

Through games and role-playing, students learn how an animal or plant species can become endangered or extinct. Length: 1 hour.

Grade Level Expectations: 2.1, 3.2, 4.1, 5.1, 5.2

### ***Insects & Spiders***

The lives and characteristics of insects and spiders are discussed through a PowerPoint presentation, activities, insect collections, and live arthropods. Length: 1 hour.

Grade Level Expectations: 3.2, 4.1, 4.2, 5.1



## **Grade 5**

### ***Animal Classifications***

Students explore how animals are classified while examining several orders of mammals found in East Tennessee. Students will also compare the class mammalia to other classes of animals. Artifacts and live animals are set up in stations around the room and students answer questions at each station. Length: 1 hour or 1.5-hour sessions.

Grade Level Expectations: 2.1, 2.2, 5.1



### ***Adaptations of East Tennessee Animals***

Students explore the similarities, differences, and amazing adaptations of vertebrates and invertebrates. Activities, touch tables, a PowerPoint presentation, and games are all featured. Length: 1 hour.

Grade Level Expectations: 2.1, 2.2, 5.1



### ***All About Bats***

The lives of bats are often a mystery to us and are often misunderstood. Some of these misconceptions will be explored while students learn about the many adaptations of bats, the native bats of East Tennessee, the differences between bats from around the world, and the current issues facing bats and how we can help. Length: 1 hour

Grade Level Expectations: 2.1, 2.2, 5.1, 5.2

### ***Endangered Species***

Through games and role-playing, students learn how an animal or plant species can become endangered or extinct. Length: 1 hour.

Grade Level Expectations: 2.1, 2.2, 2.3, 5.1, 5.2

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## **Grade 6**

### ***Animal Classifications***

Students explore how animals are classified while examining several orders of mammals that are found in East Tennessee. Students will also compare the class mammalia to other classes of animals. Artifacts and live animals are set up in stations around the room and students answer questions at each station. Length: 1 hour or 1.5-hour sessions.

Grade Level Expectations: 2.1, 2.2



### ***All About Bats***

The lives of bats are often a mystery to us and are often misunderstood. Some of these misconceptions will be explored while students learn about the many adaptations of bats, the native bats of East Tennessee, the differences between bats from around the world, and the current issues facing bats and how we can help. Length: 1 hour

Grade Level Expectations: 2.1, 2.2

## **Grade 8**

### ***Animal Classifications***

Students explore how animals are classified while examining several orders of mammals that are found in East Tennessee. Students will also compare the class mammalia to other classes of animals. Artifacts and live animals are set up in stations around the room and students answer questions at each station. Length: 1 hour or 1.5-hour sessions.

Grade Level Expectations: 5.1, 5.2, 5.3, 5.4, 5.5



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### **Scheduling and Confirmation**

To schedule an outreach program, call Emily Boves at 865-577-4717 ext. 112 and provide the following information:

- Name of program desired
- Grade/age level
- Number of students
- Contact information (name, school, address, phone, email)
- Preferred dates and times

Before your program, you will receive a confirmation letter along with pre-visit and post-visit activities to help your class maximize the educational benefits of the Ijams educational outreach experience.

### **Cost**

Outreach Programs are \$4\* per student with a minimum fee of \$90. \*The Animals in Winter program is \$5 per student. Live animal presentations are \$60 for a half hour and \$90 for a full hour. Additional travel fees apply outside a 20-mile radius of Ijams Nature Center :

20–30 miles: \$15

31– 40 miles: \$20

41–50 miles: \$25

51 –60 miles: \$30

61–70 miles: \$35

71–80 miles: \$40

For more information about Ijams Nature Center, please visit [www.ijams.org](http://www.ijams.org).

