



How to make the most of your fieldtrip to Zoo Knoxville

Many experiences are included with zoo admission and a few experiences can be added for a fee to help meet your curriculum standards. Visit zooknoxville.org for schedules and availability. See below for TN state standards that can be met during a zoo field trip. Experiences include:

Animal encounters allow guests to meet zoo staff at exhibits to hear stories, natural history and possibly observe training and enrichment. For example, visit the giraffe platform to be eye level with a giraffe with the option to feed giraffes for a fee.



Ambassador animal encounters in Wee Play and Nature Play are up-close experiences to learn about habits, adaptations, care and more. Many of the ambassador animals are touchable. Explore the contact yard in Kids Cove to meet heritage goats and sheep up close.

Animal shows in the Wee Play and Nature Play areas are short curriculum-based interactive programs which may include ambassador animals, skins, feathers, bones or other animal items that cover a variety of topics throughout the day.

The Bird Show presents free-flight and other natural behaviors while exploring adaptations, conservation, animal training and care.

Learning Experiences are special interactive programs with ambassador animals or tours that cover specific life science grade level expectations. For programs, topics, standards, fees and reservations, visit zooknoxville.org or email zkschool@zooknoxville.org.



Animal and exhibit observations help your students better understand adaptations, habitats and ecological roles. Encourage your students to observe both the animal and the exhibit for clues to what each animal needs, how it fulfills those needs and the role it plays in the food web.

Plants are just as important as animals. Notice the plants in exhibits to better understand how animals interact with their habitat. Observe plants outside exhibits to see native wildlife and how they use plants to survive. Zoo Knoxville is a registered arboretum with many labeled plants.

Grade Level Expectations by grade and experience

Note that experiences vary daily and some may not be available during your visit. Visit zooknoxville.org and check signs in the zoo for the most recent schedules.

Kindergarten

- Animal Encounters
 - 0007.2.1, 0007.3.1, 0007.4.1, 0007.4.2, 0007.5.1
- Ambassador Animal Encounters
 - 0007.2.1, 0007.2.2, 0007.3.1, 0007.4.1, 0007.4.2, 0007.5.1
- Animal Shows
 - 0007.2.1, 0007.2.2, 0007.3.1, 0007.5.1
- Observing animals in their exhibits
 - 0007.2.1, 0007.2.2, 0007.3.1, 0007.4.1, 0007.4.2, 0007.5.1
- Observing plants throughout the zoo
 - 0007.2.2, 0007.4.1
- Bird Show
 - 0007.2.1, 0007.2.2, 0007.3.1, 0007.4.1, 0007.4.2, 0007.5.1

0007.2.1- Recognize some things are living and some are not.

0007.2.2- Know that people interact with their environment through their senses.

0007.3.1- Recognize that living things require water, food, and air.

0007.4.1- Observe how plants and animals change as they grow.

0007.4.2- Observe that offspring resemble their parents.

0007.5.1- Compare the basic features of plants and animals.

First Grade

- Animal Encounters
 - 0107.2.1, 0107.3.1, 0107.4.2, 0107.5.1, 0107.5.2
- Ambassador Animal Encounters
 - 0107.2.1, 0107.3.1, 0107.5.1, 0107.5.2
- Animal Shows
 - 0107.2.1, 0107.5.1, 0107.5.2
- Observing animals in their exhibits
 - 0107.2.1, 0107.3.1, 0107.4.2, 0107.5.1, 0107.5.2
- Observing the plants
 - 0107.2.1, 0107.3.1, 0107.5.1
- Bird Show
 - 0107.2.1, 0107.3.1, 0107.5.1, 0107.5.2

0107.2.1- Distinguish between living and non-living things in an environment.

0107.3.1- Recognize that plants and animals are living things that grow and change over time.

0107.4.2- Describe ways in which animals closely resemble their parents.

0107.5.1- Investigate how plants and animals can be grouped according to their habitats.

0107.5.2- Recognize that some organisms which formerly lived are no longer found on earth.

Second Grade

- Animal Encounters
 - 0207.1.1, 0207.2.1, 0207.2.2, 0207.2.3, 0207.3.1, 0207.5.1
- Ambassador Animal Encounters
 - 0207.1.1, 0207.2.1, 0207.2.2, 0207.2.3, 0207.3.1, 0207.5.1
- Animal Shows
 - 0207.1.1, 0207.2.1, 0207.2.2, 0207.2.3, 0207.3.1, 0207.5.1
- Observing animals in their exhibits
 - 0207.1.1, 0207.2.1, 0207.2.2, 0207.2.3, 0207.3.1, 0207.5.1
- Observing the plants
 - 0207.1.1, 0207.2.1, 0207.2.2, 0207.2.3, 0207.3.1
- Bird Show
 - 0207.1.1, 0207.2.1, 0207.2.2, 0207.2.3, 0207.3.1, 0207.5.1

0207.1.1- Recognize that plants and animals are made up of smaller parts and use food, water, and air to survive.

0207.2.1- Investigate the habitats of different kinds of local plants and animals.

0207.2.2- Investigate living things found in different places.

0207.2.3- Identify basic ways that plants and animals depend on each other.

0207.3.1- Recognize that animals eat plants or other animals for food.

0207.5.1- Investigate the relationship between an animal's characteristics and the features of the environment where it lives.

Third Grade

- Animal Encounters
 - 0307.2.1, 0307.2.2, 0307.3.1, 0307.5.1, 0307.5.2
- Ambassador Animal Encounters
 - 0307.2.1, 0307.2.2, 0307.3.1, 0307.5.1, 0307.5.2
- Animal Shows
 - 0307.2.1, 0307.2.2, 0307.3.1, 0307.5.1, 0307.5.2
- Observing animals in their exhibits
 - 0307.2.1, 0307.2.2, 0307.3.1, 0307.5.1, 0307.5.2

- Bird Show
 - 0307.2.1, 0307.2.2, 0307.3.1, 0307.5.1, 0307.5.2

0307.2.1- Categorize things as living or non-living.

0307.2.2- Explain how organisms with similar needs compete with one another for resources.

0307.3.1- Describe how animals use food to obtain energy and materials for growth and repair.

0307.5.1- Explore the relationship between an organism's characteristics and its ability to survive in a particular environment.

0307.5.2- Classify organisms as thriving, threatened, endangered, or extinct.

Fourth Grade

- Animal Encounters
 - 0407.2.1, 0407.3.2, 0407.4.1, 0407.5.1, 0407.5.2
- Ambassador Animal Encounters
 - 0407.2.1, 0407.3.2, 0407.4.1, 0407.5.1, 0407.5.2
- Animal Shows
 - 0407.2.1, 0407.3.2, 0407.4.1, 0407.5.1, 0407.5.2
- Observing animals in their exhibits
 - 0407.2.1, 0407.3.2, 0407.4.1, 0407.5.1, 0407.5.2
- Bird Show
 - 0407.2.1, 0407.3.2, 0407.4.1, 0407.5.1, 0407.5.2

0407.2.1 - Analyze the effects of change in the environment on the stability of an ecosystem.

0407.3.2- Investigate different ways that organisms meet their energy needs. (Carnivore, herbivore, Omnivore)

0407.4.1- Recognize the relationship between reproduction and the continuation of a species (Species Survival Plan)

0407.5.1- Analyze physical and behavioral adaptations that enable organisms to survive in their environment.

0407.5.2- Describe how environmental changes caused the extinction of various plants and animal species.

Fifth Grade

- Animal Encounters
 - 0507.2.1, 0507.2.3, 0507.5.1
- Ambassador Animal Encounters
 - 0507.2.1, 0507.2.3, 0507.5.1
- Animal Shows
 - 0507.2.1, 0507.2.3, 0507.5.1

- Observing animals in their exhibits
 - 0507.2.1, 0507.2.3, 0507.5.1
- Bird Show
 - 0507.2.1, 0507.2.3, 0507.5.1

0507.2.1- Investigate different nutritional relationships among organisms in an ecosystem. (Predator/Prey)

0507.2.3- Establish the connection between human activities and natural disasters and their impact on the environment.

0507.5.1- Investigate physical characteristics associated with different groups of animals.

Sixth Grade

- Animal Encounters
 - 0607.2.1, 0607.2.4
- Ambassador Animal Encounters
 - 0607.2.1, 0607.2.4
- Animal Shows
 - 0607.2.1, 0607.2.4
- Observing animals in their exhibits
 - 0607.2.1, 0607.2.4
- Bird Show
 - 0607.2.1, 0607.2.4

0607.2.1- Examine the roles of consumers, producers, and decomposers in a biological community.

0607.2.4- Analyze the environments and the interdependence among organisms found in the world's major biomes.

Seventh Grade

- Animal Encounters
 - 0707.4.1, 0707.4.4
- Ambassador Animal Encounter
 - 0707.4.1, 0707.4.4
- Observing animals in their exhibits
 - 0707.4.1, 0707.4.4
- Observing the plants
 - 0707.3.2

0707.3.2- Investigate the exchange of oxygen and carbon dioxide between living things and the environment.

0707.4.1- Compare and contrast the fundamental features of sexual and asexual reproduction.

0707.4.4- Predict the probable appearance of offspring based on the genetic characteristics of the parents.

Eighth Grade

- Animal Encounters
 - 0807.5.1, 0807.5.2, 0807.5.3, 0807.5.4, 0807.5.5
- Ambassador Animal Encounters
 - 0807.5.1, 0807.5.2, 0807.5.3, 0807.5.4, 0807.5.5
- Animal Shows
 - 0807.5.1, 0807.5.2, 0807.5.3, 0807.5.4, 0807.5.5
- Observing animals in their exhibits
 - 0807.5.1, 0807.5.2, 0807.5.3, 0807.5.4, 0807.5.5
- Bird Show
 - 0807.5.1, 0807.5.2, 0807.5.3, 0807.5.4, 0807.5.5

0807.5.1-Identify various criteria used to classify organisms into groups.

0807.5.2- Use a simple classification key to identify a specific organism.

0807.5.3- Analyze how structural, behavioral and physiological adaptations within a population enable it to survive in a given environment.

0807.5.4- Explain why variations within a population can enhance the changes for the groups survival.

0807.5.5- Describe the importance of maintaining the earth's biodiversity.