



Frisch's Outreach: Mammals (PreK-K) Extensions

At a glance

This program will allow students to gain an understanding of mammals adaptations by engaging in activities and animal encounters.

Goals

This class is designed to familiarize students with the many different qualities and adaptations mammals have compared to other species.

Theme

Mammals have specific characteristics that they possess.

Objectives

1. Students will be able to name three examples of mammals.
2. Students will be able to name at least two characteristics that mammals have.
3. Students will develop a respect for animals and the role they play in the natural world.

Sub-themes

1. Mammals have hair, or fur.
2. Mammals are warm-blooded or endothermic.
3. Mammals have a vertebrate.
4. Mammals give live birth, and make milk and take care of their young.

Academic standards

Ohio Science Academic Content Standards	<i>Ohio Early Childhood Standards and Grade Level Indicators (ages 4-5)</i> Scientific Inquiry 1, 2, 5, 7 Life Science 3,5 Scientific Ways of Knowing 1,2
Kentucky Core Content—Science	<i>Kentucky Core Content for Assessment and Performance Indicators (Grades Primary-4)</i> The Characteristics of an Organism SC-E-3.1.1

Vocabulary

Adaptations- Something that helps an animal survive.

Bird-feathers, endothermic, eggs, vertebrate

Classify- to arrange in classes, according to subject matter; to assign to a category

Cold Blooded- pertaining to animals, as fishes and reptiles, whose blood temperature ranges from the freezing point upward, in accordance with the temperature of the surrounding medium.

Ectothermic- cold blooded

Endothermic- warm blooded

Habitat- Natural home or dwelling place of an organism.

Hair- grows from the skin of humans and animals.

Live Birth- the condition of being born in such a state that acts of life are manifested after the extrusion of the whole body.

Mammal- endothermic, hair, live birth, take care of young,

Mammary Glands- on female mammals, secrete milk for young.

Reptile- scales, ectothermic, eggs or live birth, vertebrate

Survival- Living or continuing longer than something else; existing.

Vertebrate- having a backbone or spinal column.

Warm blooded- pertaining to animals, as mammals and birds, whose blood ranges

in temperatures from about 98° to 112°F (37° to 44°C) and remains relatively constant.

Extension

Animal Statues- have the students line up to play follow the leader. The student in front of the line gets to think of a mammal, call it out, and everyone can freeze like that particular animal. Have students take turns being the leader.

Have the students create, draw and/or sculpt their own mammal. Have them use features that mammals possess. They can name their mammal and show what they have created to the rest of the students.

Mammals Are Moving-song
-in the tune to "Farmer in the Dell"
"Mammals move around"
"Mammals move around"
"Heigh Ho the Derry Oh"
"Mammals move around"

"The Elephant walks like this"
"The Elephant walks like this"
"Heigh Ho the Derry Oh"
"The Elephant walks like this"

Play "Farmer in the Dell", take mammals, have the students walk, or make noises like the mammals taken.

Zebra Stripes- Cut out a large zebra silhouette from white or black paper. Let students use hair pins to paint white stripes or black stripes on the zebra.

Make mammal tracks on paper, or in the mud outside.

Resources

Burton, John. Mammals of North America. Thunder Bay Press. San Diego. 1995.

George, Michael. Mammals. A Child's World, Inc. 1992.

Parker, Steve. Eyewitness Books Mammal. Alfred A. Knopf. New York. 1989.