

# Animal Communities

Meet ambassador animals inside and hike outside. Investigate how animals depend on their environment for survival. Discuss the structure and function of animals while exploring habitats.

*Available October-April*

	PRE-K	K	1ST	2ND	3RD	4TH	5TH
SCIENCE TEKS	<ul style="list-style-type: none"> <li>• K.12.B, K.13.B</li> <li>• 1.5.F, 1.12.A, 1.12.B, 1.12.C, 1.13.A, 1.13.B, 1.13.C</li> </ul>			<ul style="list-style-type: none"> <li>• 2.11.B, 2.12.B, 2.13.B, 2.13.C, 2.13.D</li> <li>• 3.12.B, 3.12.C, 3.13, 3.13.A</li> <li>• 4.12.A, 4.12.B, 4.13, 4.13.B</li> <li>• 5.12.A, 5.12.B, 5.12.C, 5.13, 5.13.A</li> </ul>			
VOCAB	basic needs, body covering, carnivore, ecosystem, egg, feathers, food chain, habitat, herbivore, live birth, living, nest, non-living, observe, offspring, omnivore, predator, prey, reproduce, scales, shelter, structure, survive			adaptation, biotic, body covering, carnivore, compare, conservation, consumer, decomposer, ecosystem, egg, feathers, food chain, food web, function, herbivore, human impacts, live birth, nest, nutrients, observe, omnivore, organism, producer, reproduce, scales, structure, survive			
PROGRAM LENGTH	1 HOUR			1.5 HOURS			

# Astronomy

Enter the indoor inflatable planetarium and explore the stars in the night sky. Compare the size of our planets, and replicate scale and non-scale models in an outdoor station. Learn what causes Earth's days, nights, and seasons.

*Available October-February*

	PRE-K	K	1ST	2ND	3RD	4TH	5TH
SCIENCE TEKS	<ul style="list-style-type: none"><li>• K.1.D, K.2.A, K.4.B, K.5.C, K.9, K.9.A, K.9.B, K.5.C</li><li>• 1.2.A, 1.2.D, 1.4.B, 1.5.C, 1.9</li></ul>			<ul style="list-style-type: none"><li>• 2.5.C, 2.9.A, 2.9.B</li><li>• 3.5.C, 3.9.A, 3.9.B</li><li>• 4.2.A, 4.5.C, 4.9.A, 4.9.B</li><li>• 5.2.A, 5.5.C, 5.9</li></ul>			
VOCAB	autumn/ fall, constellation, day, Earth, model, Moon, night, orbit, pattern, revolve, rotate, seasons, spring, summer, star, Sun, winter			autumn/fall, constellation, day, Earth, model, Moon, moon phases, night, orbit, planetarium, planets, relative size, revolve, rotate, scale model, seasons, spring, summer, star, Sun, winter			
PROGRAM LENGTH	1 HOUR			1.5 HOURS			

# Bats

Observe a live bat indoors and identify what structures, adaptations, and behaviors help bats survive.

*Available October-February*

**PRE-K**

**K**

**1ST**

**2ND**

**3RD**

**4TH**

**5TH**

## SCIENCE TEKS

- K.1.D, K.12.B, K.13.B
- 1.5.F, 1.13.A, 1.13.C

- 2.13.B, 2.13.C
- 3.5.F, 3.13.A
- 4.5.F
- 5.5.F, 5.13.A

## VOCAB

air, body covering, echolocation, food, function, live birth, mammal, nocturnal, shelter, space, structure, warm-blooded, water, wing

adaptation, air, body covering, echolocation, food, food chain, function, habitat, live birth, mammal, nocturnal, shelter, space, structure, survival, warm-blooded, water, wing

## PROGRAM LENGTH

1 HOUR

1.5 HOURS

# Habitat Hunt

Spend your visit outdoors exploring and making observations in the Zilker Nature Preserve. Examine the living and non-living elements that comprise various ecosystems. Hypothesize how animals' basic needs are met in the wild.

*Available January-April*

**PRE-K**

**K**

**1ST**

**2ND**

**3RD**

**4TH**

**5TH**

## **SCIENCE TEKS**

- K.5.A, K.5.B, K.5.F, K.5.G, K.12.A, K.12.B, K.13.B
- 1.5.A, 1.5.B, 1.5.F, 1.5.G, 1.12.A, 1.13.A

- 2.5.A, 2.5.B, 2.5.F, 2.5.G, 2.12.A, 2.13.B
- 3.5.A, 3.5.B, 3.5.F, 3.5.G, 3.12.C
- 4.5.A, 4.5.B, 4.5.F, 4.5.G
- 5.5.A, 5.5.B, 5.5.F, 5.5.G, 5.12.C

## **VOCAB**

air, dependence, ecosystem, food, habitat, living, non-living, observe, organisms, patterns, shelter, space, structure, survival, water

air, compare, condition, dependence, ecosystem, environment, factor, food, habitat, living, non-living, observe, organisms, patterns, shelter, space, structure, survival, water, weather

## **PROGRAM LENGTH**

1 HOUR

1.5 HOURS

# Insects

Indoor stations will introduce students to our resident insects and arthropods. Observe live examples of metamorphosis. Outdoors, students will use scientific tools to conduct a field study and collect live insect specimens.

*Available January-April*

	PRE-K	K	1ST	2ND	3RD	4TH	5TH
SCIENCE TEKS	<ul style="list-style-type: none"> <li>K.1.D, K.13.B</li> <li>1.1.D, 1.5.F, 1.13.A, 1.13.C</li> </ul>		<ul style="list-style-type: none"> <li>2.1.D, 2.13.B, 2.13.C</li> <li>3.1.D, 3.5.F, 3.13, 3.13.A, 3.13.B</li> <li>4.1.D, 4.13, 4.13.A, 4.13.B</li> <li>5.1.D, 5.13, 5.13.A</li> </ul>				
VOCAB	abdomen, adult, antennae, arthropod, classify, collection, compare, egg, entomologist, exoskeleton, food, function, hand lens, head, insect, larvae, life cycle, magnifying glass, metamorphosis, mouth part, observe, pupae, segment, structure, thorax			abdomen, adult, antennae, arthropod, compare, complete, dichotomous key, egg, entomologist, exoskeleton, food, function, hand lens, head, incomplete, insect, larvae, life cycle, magnifying glass, metamorphosis, mouth part, pupa, segment, sorting, spiracles, structure, thorax			
PROGRAM LENGTH	1 HOUR			1.5 HOURS			

# Pond Study

Hike around a pond ecosystem and use nets to collect organisms at the pond's edge. Indoors, PreK thru 1-grade students will meet ambassador animals to compare body structures and create a food chain. 2-5-grade students will determine the water quality based on their collection data.

*Available January-April*

	PRE-K	K	1ST	2ND	3RD	4TH	5TH
SCIENCE TEKS	<ul style="list-style-type: none"><li>• K.1.D, K.1.E, K.12.A, K.12.B, K.13.B</li><li>• 1.1.D, 1.1.E, 1.11.A, 1.12.A, 1.12.B, 1.12.C, 1.13.A</li></ul>			<ul style="list-style-type: none"><li>• 2.1.D, 2.2.B, 2.12.A, 2.12.B, 2.13.D</li><li>• 3.1.D, 3.2.B, 3.12.C</li><li>• 4.1.D, 4.3.A, 4.3.B, 4.3.C</li><li>• 5.1.D, 5.5.B, 5.11</li></ul>			
VOCAB	basic needs, carnivore, classify, collection, compare, ecosystem, food chain, habitat, herbivore, living, non-living, observe, offspring, omnivore, predator, prey, shelter, survive			abiotic, basic needs, biotic, classify, collection, consumer, compare, ecosystem, environment, food web, habitat, human impact, larvae, living, magnification, non-living, observe, patterns, producer, shelter, survive, water quality			
PROGRAM LENGTH	1 HOUR			1.5 HOURS			