

2024-2025 INSTRUCTOR-LED PROGRAMS

PROGRAM	OCT	NOV	DEC	JAN	FEB	MAR	APR
Animal Communities	Oct - Apr						
Astronomy	Oct - Feb 14						
Bats	Oct - Feb 14						
Habitat Hunt				Jan - Apr			
Insects				Jan - Apr			
Pond Study				Jan - Apr			



Animal Communities

3 stations,
1 outdoors.

Investigate characteristics of animals, explore the food chain, and review the basic needs for survival.

Astronomy

3 stations,
1 outdoors.

Explore the night sky in our planetarium. Compare our planets and model Earth's days and seasons.

Bats

3 stations

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

Habitat Hunt

3 stations,
3 outdoors.

Spend your visit outdoors exploring ecosystems and making observations in the Zilker Nature Preserve.

Insects

3 stations,
2 outdoors.

Meet our resident insects and other arthropods. Use scientific tools to collect live insect specimens.

Pond Study

3 stations,
2 outdoors.

Collect from a pond ecosystem. Meet our resident animals and use them to create a food chain.

2024-2025 SCIENCE TEKS AND VOCABULARY

PREK - 1ST GRADE

Animal Communities

K.12.B, K.13.B
animals, basic needs, dependence, environment, structures

1.12.A, 1.12.C, 1.13.A

basic needs (food, water, shelter space), consumer, body covering, dependence, environment, food chain, living/nonliving, producer

Astronomy

K.1.D, K.2.A, K.4.B, K.5.C, K.9.A, K.9.B, K.10B
day, night, pattern, science tools, rocket, scale model, scientists, seasons (summer, spring, fall, winter), sky, star, Sun, sunrise, sunset, telescope

1.2.A, 1.9, 1.5.C
patterns, relative size, seasons (summer, spring, fall, winter), year

Bats

K.12.B, K.13.B
basic needs, dependence, echolocation, environment, mammal, nocturnal, structure, warm-blooded, wing

1.13.A, 1.13.C
body covering, body shape, dependence, echolocation, environment, mammal, nocturnal, structure, parent, warm-blooded, wing

Habitat Hunt

K.5.A, K.5.B, K.12.A
basic needs of survival (food, water, shelter, space, air), cause and effect relationships, dependence, environment, patterns, plants

1.5.A, 1.5.B, 1.5.G, 1.12.A
basic needs of survival (food, water, shelter, space, air), cause and effect relationships, environment, living vs non-living, patterns, system

Insects

K.1.D, K.13.B
basic structure of animals (head, thorax, abdomen), science tools

1.1.D, 1.5.F, 1.13.A, 1.13.B
appendage, body covering, body shape, exoskeleton, science tools, insect life cycle (egg, larvae, pupae, adult) metamorphosis, structure (head, thorax, abdomen, antennae)

Pond Study

K.1.D, K.1.E, K.12.B, K.13.B
animals, basic needs of survival (food, water, shelter, space, air), environment (biotic/abiotic) hypothesis, observation, science tools

1.1.D, 1.12.A, 1.12.B, 1.12.C
animals, basic needs of survival (food, water, shelter, space, air), environment (biotic/abiotic), food chain (producer/consumer), living/nonliving, science tools

2024-2025 SCIENCE TEKS AND VOCABULARY

2ND - 5TH GRADE

Animal Communities

2.12.B, 2.13.B
abiotic, basic needs, biotic, consumer, ecosystem, food chain, flow of energy, producer, physical characteristic, structure

3.12.B, 3.13.A
consumer, decomposer, ecosystem, food chain, producer, structure

4.12.A, 4.12.B, 5.12.A, 5.12.B
consumer, decomposer, carnivore, ecosystem, living/nonliving flow of energy, food web, herbivore, omnivore, predator, prey, producer

Astronomy

2.5.C, 2.9.A, 2.9.B,
Moon, star, Sun,
observe, patterns,
reflect

3.9.A, 3.9.B
Moon, star, Sun,
orbit, pattern, rotate,
planet, solar system

4.2.A, 4.5.A, 4.9.A,
4.9.B
cycle, pattern, lunar,
Moon, rotate, scale
model, season

5.2.A, 5.5.C, 5.5.D
axis, day/night,
lunar, Moon, orbit,
planet (inner/outer)
rotation, solar
system, Sun, tilt

Bats

2.13.B, 2.13.C,
environment,
process, structure,
survival, warm-
blooded, wing

3.5.F, 3.13.A
adaptation, body
covering,
echolocation,
function, live-birth,
mammal, nocturnal,
organism, structure

4.5.F, 5.5.F, 5.13.A
adaptation, body
covering,
echolocation,
function, live-birth,
mammal, nocturnal,
organism, structure

Habitat Hunt

2.5.A, 2.5.B, 2.5.G,
2.12.A
basic needs (air,
food, water, shelter,
space), ecosystem,
environment, cause
and effect
relationships,
patterns

3.5.A, 3.5.B, 3.5.G,
3.12.C
cause and effect
relationships,
drought, patterns,
stability and change

4.5.A, 4.5.B, 4.5.G
cause and effect
relationships,
ecosystem, patterns

5.5.A, 5.5.G, 5.12.C
cause and effect
relationships,
ecosystem, patterns,
systems

Insects

2.1.D, 2.13.B,
2.13.C, 2.13.D
environment,
exoskeleton, life
cycle (egg, larvae,
pupa, adult),
science tools,
structures (head,
thorax, abdomen,
antennae)

3.1.D, 3.5.F, 3.13.A
environment,
exoskeleton, life
cycle (egg, larvae,
pupa, adult), science
tools, structures
(head, thorax,
abdomen, antennae)

4.1.D, 4.13.A, 4.13.B
5.1.D, 5.13.A
environment,
exoskeleton, life
cycle, science tools,
structures (head,
thorax, abdomen,
antennae)

Pond Study

2.1.D, 2.2.B, 2.12.A,
2.12.B
basic needs (air,
food, water, shelter,
space), ecosystem,
environment, food
chain (producer/
consumer),
observations,
science tools

3.1.D, 3.2.D, 3.12.B
ecosystem
(biotic/abiotic), food
chain (producer/
consumer),
observation, science
tools

4.1.D, 4.3.A, 4.12.B
5.1.D, 5.12.B
flow of energy, food
web, producer,
consumer,
decomposer,
herbivore, omnivore,
carnivore,
hypothesis, science
tools