

Animal Communities pK-1  

Description: Meet our ambassador animals and learn what animals need and how they depend on each other through food chains. Students will investigate body adaptations and explore habitats.

	Kindergarten	First Grade
TEKS	3B, 9B, 10A	3B, 9C, 10A
Vocabulary	Basic parts of animals (limb, eye, head, tail, fin, wing, mouth), basic needs of animals (air, food, water, shelter, space), habitat, body covering, change, characteristic, color, pond, life cycle, living, nonliving, survive, sunlight, water	Animal, animal life cycle, basic need, body covering, body shape, characteristic, color, eats, food chain, frog, habitat, interdependence, lives (habitat), moves (legs, wings, fins), observe, pond, rock, plant, shelter, soil, Sun, texture, water

Animal Communities 2-5  

Description: Meet our ambassador animals and learn what animals need from their habitat and how they depend on each other through food webs. Students will predict what would happen if one animal is removed from the ecosystem. Students will investigate adaptations and explore habitats.

	Second Grade	Third Grade
TEKS	2A, 9A, 9C	3A, 9B, 10A
Vocabulary	Basic needs of animals (water, food, shelter, air, space), basic needs of plants (water, air, space, light, nutrients), behavior, consumer, energy transfer, food chain, interdependence, producer	Consumer, decomposer, decomposition, ecosystem, energy, environment, food chain, producer, protection, relationship, soil, species, sun, survive

	Fourth Grade	Fifth Grade
TEKS	3A, 9A, 9B, 10A	3A, 9B, 9C, 10A
Vocabulary	Basic needs of animals, carnivore, consumer, decomposer, ecosystem, environment, flow of energy, food web, habitat, herbivore, omnivore, population, predator, prey, producer, sun, survive	Carnivore, herbivore, evaporation, flow of energy, food web, interdependence, omnivore, precipitation, predator, prey, producer, consumer, decomposer, ecosystem, role, sun

Arthropods pK-1

Description: Learn about the characteristics and life cycles of “bugs”, meet several of our resident arthropods, and use field nets and magnifying glasses to get a close look at the arthropods that live all around us.

	Kindergarten	First Grade
TEKS	2A, 2C, 4A, 9B, 10A	2A, 4A, 10A, 10C, 10D
Vocabulary	Animal, basic needs of animals, basic parts of animals (limb, eye, head, tail, fin, wing, mouth), body covering (fur, feathers, scales, hair), characteristic, offspring, shelter, survive	Appendage, animal life cycle, basic need, bigger, body covering, body shape, change, characteristic, eats, habitat, larger, lives (habitat), moves (legs, wings, fins), observe, plant, rock, shelter, smaller, soil, survival, water, young

Arthropods 2-5

Description: Classify arthropods based on body characteristics. Learn about different types of metamorphosis, conduct field studies of insects, and meet our arthropods up close.

	Second Grade	Third Grade
TEKS	2A, 4A, 9A, 9C, 10A, 10C	4, 9A, 10A, 10B
Vocabulary	Basic needs of animals (water, food, shelter, air), behavior, butterfly, change, color, environment, food chain, freshwater, grasshopper, life cycle of insects (egg, larvae, pupa, adult), stage, movement, physical characteristics of animals (color, body covering, size)	Complete metamorphosis, egg, food chain, function, incomplete metamorphosis, lady beetle, larva, life cycle, movement, physical characteristic, pupa, stage, structure, survive

	Fourth Grade	Fifth Grade
TEKS	4, 9A, 9B, 10A, 10C	4, 9A, 9B, 10A, 10B
Vocabulary	Investigate, collect, hand lens, collecting nets, habitats, organisms, ecosystem, environment, food web, decomposer, consumer, structure/function, survive, life cycle, metamorphosis, beetle, grasshopper, arthropods	Investigation, collect, hand lens, collecting nets, habitats, organisms, environment, life cycles, metamorphosis, producer, consumer, decomposer, structure/function, terrestrial, aquatic, herbivore, carnivore, predator, prey,

Astronomy pK-1



Description: Explore the stars in the night sky, compare the size of our planets, and learn what causes Earth's days, nights, and seasons. Due to health concerns, this program will not be using our inflatable planetarium. Students will explore the night sky with a projector in a classroom.

	Kindergarten	First Grade
TEKS	2A, 6C, 8A, 8B, 8C	2A, 6A, 8B, 8C
Vocabulary	Bigger, change, cloud, color, day, heat, light, location, moon, motion (move), night, position, relation, round and round, shape, size, smaller, seasons (summer, fall, winter, spring), sky, star, Sun	Bigger, change, cloud, energy, hot, moon, observe, larger, predict, round and round, shape, sky, smaller, star, Sun, thermal motion (move)



Astronomy 2-5

Description: Journey through the Milky Way and learn about the stars and constellations in our night sky. Take a walk through our solar system, orbit around the sun, and discuss the latest discoveries in astronomy. Due to health concerns, this program will not be using our inflatable planetarium. Students will explore the night sky with a projector in a classroom.

	Second Grade	Third Grade
TEKS	2A, 5A, 8C	6A, 6C, 8b, 8C, 8D
Vocabulary	Attract, color, force, full moon, length, light energy, material, moon, movement, new moon, pull, rock, seasons (summer, fall, winter, spring), size, spinning, star, Sun, temperature, thermal energy	Atmosphere, Earth, heating, inner planet, light energy, mass, Mercury, model, moon, orbit, outer planet, planets (Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto), relationship, revolution, rotation, solar system, star, Sun, temperature, thermal energy

	Fourth Grade	Fifth Grade
TEKS	2D, 8C	3B, 3C, 8C
Vocabulary	Patterns, models, cycles, motion, rotate, axis, gravity, seasons, moon, phases, solar system, stars, constellation, sun, earth, moon,	Models, solar system, patterns, rotate, axis, day/night cycle, seasonal/yearly cycle, moon phases, revolution, gravity, planet, star, constellation, galaxy, astronomy,

Bats pK-1

Description: Observe a bat up close, learn about its unique adaptations and behaviors, and get to know Austin’s bat colony.

	Kindergarten	First Grade
TEKS	2A, 9B, 10A	2A, 9C, 10A, 10C
Vocabulary	Animal, basic needs of animals, basic parts of animals (limb, eye, head, tail, fin, wing, mouth), body covering (fur, feathers, scales, hair), characteristic, offspring, shelter, survive	Animal, body covering, body shape, eats, food chain, habitat, observe, parent, reproduce, shelter, survival, young

Bats 2-5

Description: Discover the unique characteristics and behaviors of bats, learn about bat species from around the world, and see a bat up close.

	Second Grade	Third Grade
TEKS	2A, 9A, 9B, 9C, 10A	9A, 10A
Vocabulary	Basic needs of animals (water, food, shelter, air), behavior, communication, environment, food chain, migration, movement, physical characteristics of animals (color, body covering, size)	Ecosystem, environment, food chain, function, movement, physical characteristic, population, sound energy, species, structure, survive

	Fourth Grade	Fifth Grade
TEKS	9A, 9B, 10A, 10B, 10C	9A, 9B, 9C, 10A, 10B
Vocabulary	Organism, environment, ecosystem, consumer, predator, prey, energy flow, structure/function, mammal	Organism, environment, adaptation, mammal, structure/function, ecosystem, predator, prey, echolocation, nocturnal, species, urban, traits

Birds pK-1



Description: Discover bird characteristics and adaptations, learn why birds have different beaks, and use binoculars to get a close look at our birds of prey. See a live bird up close!

	Kindergarten	First Grade
TEKS	2A, 4B, 8B, 9B, 10A	2A, 8C, 9C, 10A, 10C
Vocabulary	Basic needs of animals, basic parts of animals (limb, eye, head, tail, fin, wing, mouth), bigger, body covering (fur, feathers, scales, hair), change, characteristic, day, food, hear, night, resemble, parent, shape, shelter, sight, size, smaller, sound, survive, texture, touch, young	Animal, animal life cycle, appendage, basic need, bigger, body covering, body shape, change, day, eats, food chain, habitat, larger, lives (habitat), moves (legs, wings, fins), night, observe, parent, plant, shelter, smaller, survival, texture, young resemble


Birds 2-5



Description: Examine bird characteristics and adaptations including diurnal and nocturnal, learn about the function of different bird beaks, and observe our birds of prey. See a live bird up close.


	Second Grade	Third Grade
TEKS	2A, 9A, 9C, 10A	4, 9B, 10A
Vocabulary	Basic needs of animals (water, food, shelter, air), behavior, communication, consumer, energy transfer, environment, food chain, life cycle, movement, physical characteristics of animals (color, body covering, size)	Consumer, ecosystem, environment, food chain, function, movement, physical characteristic, structure, survive

	Fourth Grade	Fifth Grade
TEKS	4, 9A, 9B, 10A, 10B, 10C	4, 9A, 9B, 10A, 10B
Vocabulary	Binoculars, observe, compare, organism, environment, ecosystem, predator, prey, consumer, nocturnal, diurnal, adaptations, structure/function, feather, beak, talon	Observe, organism, food web, consumer, characteristics, beak, talon, feather, nocturnal, diurnal

Geology pK-1 *Program meets at Pease Park 

Description: Learn how fossils form, geography and history, and hunt for fossils in a creek bed.



	Kindergarten	First Grade
TEKS	3B, 4A, 5A, 6C, 7A, 7C	2B, 3B, 5A, 6C, 7B, 7C
Vocabulary	Cups, tools, observation, prediction, pattern, heavier, lighter, shape, color, texture, rock, soil, water, fossil, below, layer	Movement, observation, prediction, pattern, properties, materials, heavy, light, color, texture, pattern, below, fossil, layer, rocks, soil

Geology 2-5 * Program meets at Pease Park 

Description: Identify different common minerals, compare characteristics of the three rock types, create small-scale land formations, and search for fossils.



	Second Grade	Third Grade
TEKS	5B, 5C, 5D, 7A	3C, 5D, 7A, 7B, 7C, 7D
Vocabulary	Size, texture, color, rock, mineral, sedimentary, metamorphic, igneous, magma, heating, cooling, pressure, erosion, weathering, deposition	Models, rock cycle, mixture, mineral, rock, metamorphic, igneous, sedimentary, weathering, erosion, deposition, eruption, landforms, resources

	Fourth Grade	Fifth Grade
TEKS	3B, 7A, 7B,	3B, 5B, 5C, 7A, 7B, 8D
Vocabulary	Model, surface, weathering, erosion, deposition, sedimentary, igneous, metamorphic, fossil, mineral, rock cycle	Sedimentary, igneous, metamorphic, formation, components, minerals, rocks, process, landform, delta, canyon, dune, erosion, deposition, weathering

Ponds & Paths pK-1  

Description: Take a hike through a pond habitat, meet some animals who live in and around ponds, and use collection nets to catch some tiny creatures who call the pond “home”.


	Kindergarten	First Grade
TEKS	2A, 4A, 7B, 9A, 9B, 10B	2A, 3C, 4A, 6D, 7B, 9A, 9C, 10A
Vocabulary	Investigation, tools, organisms, observation, collection nets, water, color, clarity, living, nonliving, food, shelter, survive, environment	Observation, organism, scientists, collect, tools, collection nets, movement, water source, living, nonliving, food chains, animals, plants, characteristics

Ponds & Paths 2-5  

Description: Collect and observe macroinvertebrates from a pond habitat, hike through Zilker Nature Preserve, and meet some animal residents who can be found in and around pond ecosystems.

	Second Grade	Third Grade
TEKS	2A, 4A, 7B, 9A, 9B, 9C, 10A, 10B	4A, 9A, 9B, 9C, 10A, 10B
Vocabulary	Organism, observation, investigation, collect, record, tools, collection net, compare, freshwater, temperature, precipitation, dormancy, food chain, characteristics	Collect, tools, record, collection nets, natural resources, observe, physical characteristics, ecosystem, food chain, flood, drought, structure/function, life cycles, metamorphosis

	Fourth Grade	Fifth Grade
TEKS	4, 9A, 9B, 10A, 10B, 10C	4, 9A, 9B, 9C, 10A, 10B
Vocabulary	Collect, tools, collection nets, record, changes, surface, producer, consumer, structure/function, environment, survival, food webs, energy, metamorphosis, life cycle	Collect, tools, collection nets, observe, organisms, ecosystems, environments, energy flow, food web, consumers, producers, decomposers, structure/function, aquatic, traits, behaviors

Paleontology pK-1 

Description: Dig into the past by searching for dinosaur bones, pairing fossils with modern-day objects, and deciding what is and is not a dinosaur.

	Kindergarten	First Grade
TEKS	4, 9A, 9B, 10A	4, 9A, 9C, 10A
Vocabulary	Tools, habitats, organisms, physical characteristics, color, size, body covering, living, nonliving, evidence, needs	Tools, compare, habitats, organisms, sort, classify, organisms, food chains, evidence, characteristics