

TEKS for Texas State Parks Junior Ranger Activity

Page 3: Explore Ecoregions

Social Studies

- 1.4(B): locate and explore the community, Texas, and the United States on maps and globes
- 1.5(A): identify and describe the physical characteristics of place such as landforms, bodies of water, Earth's resources, and weather
- 2.4(B): locate places, including the local community, Texas, the United States, the state capital, the U.S. capital, and the bordering countries of Canada and Mexico on maps and globes
- 3.3(A): describe similarities and differences in the physical environment, including climate, landforms, natural resources, and natural hazards
- 4.6(A): identify, locate, and describe the physical regions of Texas (Mountains and Basins, Great Plains, North Central Plains, Coastal Plains), including their characteristics such as landforms, climate, vegetation, and economic activities
- 4.6(B): compare the physical regions of Texas (Mountains and Basins, Great Plains, North Central Plains, Coastal Plains)
- 5.8(A): describe how and why people have adapted to and modified their environment in the United States such as the use of human resources to meet basic needs
- 6.3(A): identify and explain the geographic factors responsible for patterns of population in places and regions

Science

- 2.12(A): describe how the physical characteristics of environments, including the amount of rainfall, support plants and animals within an ecosystem
- 5.12(A): observe and describe how a variety of organisms survive by interacting with biotic and abiotic factors in a healthy ecosystem

Page 4: Be Park Smart

Social Studies

- K.7(B): identify rules that provide order, security, and safety in the home and school
- 1.10(A): explain the purpose for rules and laws in the home, school, and community

Page 6: Noticing with Nature Journaling

Science

- 2.10(B): measure, record, and graph weather information, including temperature and precipitation

Reading/Writing

- K.11A: dictate or compose literary texts, including personal narratives
- 1.12A: dictate or compose literary texts, including personal narratives and poetry
- 2.12A: compose literary texts, including personal narratives and poetry
- 3.12A: compose literary texts, including personal narratives and poetry, using genre characteristics and craft
- 4.12A: compose literary texts such as personal narratives and poetry using genre characteristics and craft
- 5.12A: compose literary texts such as personal narratives, fiction, and poetry using genre characteristics and craft

Page 8: Trashy Timeline

Science

- 2.11(B): describe how human impact can be limited by making choices to conserve and properly dispose of materials such as reducing use of, reusing, or recycling paper, plastic, and metal
- 3.11(C): identify ways to conserve natural resources through reducing, reusing, or recycling

Page 9: Nature's Recyclers

Science

- 2.12(B): create and describe food chains identifying producers and consumers to demonstrate how animals depend on other living things
- 3.12(B): identify and describe the flow of energy in a food chain and predict how changes in a food chain such as removal of frogs from a pond or bees from a field affect the ecosystem
- 4.12(B): describe the cycling of matter and flow of energy through food webs, including the roles of the Sun, producers, consumers, and decomposers

Page 11: Take a Closer Look

Science

- K.13(B): identify the different structures that animals have that allow them to interact with their environment such as seeing, hearing, moving, and grasping objects
- 1.13(A): identify the external structures of different animals and compare how those structures help different animals live, move, and meet basic needs for survival
- 3.13(A): explore and explain how external structures and functions of animals such as the neck of a giraffe or webbed feet on a duck enable them to survive in their environment

Page 12: Survival of the Finnest

Science

- K.12(B): observe and identify the dependence of animals on air, water, food, space, and shelter
- 1.12(B): describe and record examples of interactions and dependence between living and nonliving components in terrariums or aquariums
- 2.12(B): create and describe food chains identifying producers and consumers to demonstrate how animals depend on other living things
- 3.12(B): identify and describe the flow of energy in a food chain and predict how changes in a food chain such as removal of frogs from a pond or bees from a field affect the ecosystem

Reading/Writing

- 1.6H: synthesize information to create new understanding with adult assistance
- 2.6H: synthesize information to create new understanding
- 3.6H: synthesize information to create new understanding
- 4.6H: synthesize information to create new understanding

Page 13: Where Does the Water Go?

Social Studies

- 2.5(B): identify consequences of human modification of the physical environment
- 3.3(C): describe the effects of human processes such as building new homes, conservation, and pollution in shaping the landscape

Reading/Writing

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- 4.12A: compose literary texts such as personal narratives and poetry using genre characteristics and craft
- 5.12A: compose literary texts such as personal narratives, fiction, and poetry using genre characteristics and craft

Page 14-15: Park Poetry

Reading/Writing

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Page 17: The Boys Who Built It

Social Studies

- K.4(B): identify how geographic location influences human characteristics of place such as shelter, clothing, food, and activities
- 1.5(B): identify and describe how geographic location influences the human characteristics of place such as shelter, clothing, food, and activities
- 2.5(A): identify consequences of human modification of the physical environment
- 4.8(B): explain reasons why people have adapted to and modified their environment in Texas, past and present, such as the use of natural resources to meet basic needs, facilitate transportation, and enhance recreational activities
- 6.5(C): identify and analyze ways people have modified the physical environment such as mining, irrigation, and transportation infrastructure

Science

- K.11(A): observe and generate examples of practical uses for rocks, soil, and water
- 2.11(A): distinguish between natural and manmade resources
- 3.11(A): explore and explain how humans use natural resources such as in construction, in agriculture, in transportation, and to make products

Reading/Writing

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Page 18: Navigating the Night Sky

Science

- K.9(B): observe, describe, and illustrate the Sun, Moon, stars, and objects in the sky such as clouds
- 1.9(A): describe and predict the patterns of seasons of the year such as order of occurrence and changes in nature
- 2.9(B): observe objects in the sky using tools such as a telescope and compare how objects in the sky are more visible and can appear different with a tool than with an unaided eye
- 3.9: The student knows there are recognizable objects and patterns in Earth's solar system
- 4.9: The student recognizes patterns among the Sun, Earth, and Moon system and their effects.
- 5.9: The student recognizes patterns among the Sun, Earth, and Moon system and their effects
- 6.9: The student models the cyclical movements of the Sun, Earth, and Moon and describes their effects

Page 19: Connect the Stars

Science

- K.9(B): observe, describe, and illustrate the Sun, Moon, stars, and objects in the sky such as clouds
- 1.9: describe and predict the patterns of seasons of the year such as order of occurrence and changes in nature
- 2.9: The student knows that there are recognizable patterns in the natural world and among objects in the sky.
- 3.9: The student knows there are recognizable objects and patterns in Earth's solar system
- 4.9: The student recognizes patterns among the Sun, Earth, and Moon system and their effects.
- 5.9: The student recognizes patterns among the Sun, Earth, and Moon system and their effects.

Math

- K.2(A): count forward and backward to at least 20 with and without objects

Page 20: Native People of Texas

Social Studies

- 1.5(B): identify and describe how geographic location influences the human characteristics of place such as shelter, clothing, food, and activities
- 4.8(B): explain reasons why people have adapted to and modified their environment in Texas, past and present, such as the use of natural resources to meet basic needs, facilitate transportation, and enhance recreational activities
- 5.8(A): describe how and why people have adapted to and modified their environment in the United States such as the use of human resources to meet basic needs
- 6.5(B): identify and analyze ways people have adapted to the physical environment in various places and regions

Science

- 2.11(A): distinguish between natural and manmade resources
- 3.11(A): explore and explain how humans use natural resources such as in construction, in agriculture, in transportation, and to make products

- 4.11(A): identify and explain advantages and disadvantages of using Earth's renewable and nonrenewable natural resources such as wind, water, sunlight, plants, animals, coal, oil, and natural gas

Page 21: The Buffalo Soldiers: Ten Essentials

Social Studies

- 2.13(B): explain how science and technology have affected the ways in which people meet basic needs
- 4.11(A): identify how people in different regions of Texas earn their living, past and present

Reading/Writing

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Page 22: Bird Building Blocks

Science

- K.13(B): identify the different structures that animals have that allow them to interact with their environment such as seeing, hearing, moving, and grasping objects
- 1.13(A): identify the external structures of different animals and compare how those structures help different animals live, move, and meet basic needs for survival
- 2.13(B): record and compare how the structures and behaviors of animals help them find and take in food, water, and air
- 3.13(A): explore and explain how external structures and functions of animals such as the neck of a giraffe or webbed feet on a duck enable them to survive in their environment
- 4.13(B): differentiate between inherited and acquired physical traits of organisms

- 5.13(A): analyze the structures and functions of different species to identify how organisms survive in the same environment



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