

Science TEKS Verification Document

Kindergarten

		1 st NW			2 nd NW			3 rd NW			4 th NW		
		Intro	1	2	3	4	5	6	7	8	8	9	10
K.1	Scientific investigation and reasoning. <i>The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:</i>												
K.1A	Identify, discuss, and demonstrate safe and healthy practices as outlined in Texas Education Agency-approved safety standards during classroom and outdoor investigations, including wearing safety goggles or chemical splash goggles, as appropriate, washing hands, and using materials appropriately.	T	T	T	T	T	T	T	T	T	T	T	T
K.1B	Demonstrate how to use, conserve, and dispose of natural resources and materials such as conserving water and reusing or recycling paper, plastic, and metal.		T	O	O	T	O	O	O	O	O	O	O
K.2	Scientific investigation and reasoning. <i>The student develops abilities to ask questions and seek answers in classroom and outdoor investigations. The student is expected to:</i>												
K.2A	Ask questions about organisms, objects, and events observed in the natural world.	T	T	T	T	T	T	T	T	T	T	T	T
K.2B	Plan and conduct simple descriptive investigations.	T	T	T	T	T	T	T	O	T	T	T	T
K.2C	Collect data and make observations using simple tools.	T	T	T	T	T	T	T	O	T	T	T	T
K.2D	Record and organize data and observations using pictures, numbers, and words.	T	T	T	T	T	T	T	T	T	T	T	T
K.2E	Communicate observations about simple descriptive investigations.		T	T	T	T	T	T	O	T	T	T	T
K.3	Scientific investigation and reasoning. <i>The student knows that information and critical thinking are used in scientific problem solving. The student is expected to:</i>												
K.3A	Identify and explain a problem such as the impact of littering and propose a solution.					T	O	O	O	T	T	O	O
K.3B	Make predictions based on observable patterns in nature.				T	O	T	T	T	O	O	O	T
K.3C	Explore that scientists investigate different things in the natural world and use tools to help in their investigations.	T	T	T	T	T	O	T	O	T	T	T	T
K.4	Scientific investigation and reasoning. <i>The student uses age-appropriate tools and models to investigate the natural world. The student is expected to:</i>												
K.4A	Collect information using tools, including computing devices, hand lenses, primary balances, cups, bowls, magnets, collecting nets, and notebooks; timing devices; non-standard measuring items; weather instruments such as demonstration thermometers; and materials to support observations of habitats of organisms such as terrariums and aquariums.	T	T	T	T	T	T	T	T	T	T	T	T
K.4B	Use the senses as a tool of observation to identify properties and patterns of organisms, objects, and events in the environment.	T	T	T	T	T	T	T	T	T	T	T	T
K.5	Matter and energy. <i>The student knows that objects have properties and patterns. The student is expected to:</i>												
K.5A	Observe and record properties of objects, including bigger or smaller, heavier or lighter, shape, color, and texture.		T										
K.5B	Observe, record, and discuss how materials can be changed by heating or cooling.		T										

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K.6	Force, motion, and energy. <i>The student knows that energy, force, and motion are related and are a part of their everyday life. The student is expected to:</i>			T									
K.6A	Use the senses to explore different forms of energy such as light, thermal, and sound.			T									
K.6B	Explore interactions between magnets and various materials.				T								
K.6C	Observe and describe the location of an object in relation to another such as above, below, behind, in front of, and beside.				T								
K.6D	Observe and describe the ways that objects can move such as in a straight line, zigzag, up and down, back and forth, round and round, and fast and slow.				T								
K.7	Earth and space. <i>The student knows that the natural world includes earth materials. The student is expected to:</i>												
K.7A	Observe, describe, and sort rocks by size, shape, color, and texture.					T							
K.7B	Observe and describe physical properties of natural sources of water, including color and clarity.					T							
K.7C	Give examples of ways rocks, soil, and water are useful.					T							
K.8	Earth and space. <i>The student knows that there are recognizable patterns in the natural world and among objects in the sky. The student is expected to:</i>												
K.8A	Observe and describe weather changes from day to day and over seasons.	T					T		T				
K.8B	Identify events that have repeating patterns, including seasons of the year and day and night.						T	T	T				
K.8C	Observe, describe, and illustrate objects in the sky such as the clouds, Moon, and stars, including the Sun.						T	T	T				
K.9	Organisms and environments. <i>The student knows that plants and animals have basic needs and depend on the living and nonliving things around them for survival. The student is expected to:</i>												
K.9A	Differentiate between living and nonliving things based upon whether they have basic needs and produce offspring.									T	T		
K.9B	Examine evidence that living organisms have basic needs such as food, water, and shelter for animals and air, water, nutrients, sunlight, and space for plants.									T	T		
K.10	Organisms and environments. <i>The student knows that organisms resemble their parents and have structures and processes that help them survive within their environments. The student is expected to:</i>												
K.10A	Sort plants and animals into groups based on physical characteristics such as color, size, body covering, or leaf shape.											T	
K.10B	Identify basic parts of plants and animals.											T	
K.10C	Identify ways that young plants resemble the parent plant.												T
K.10D	Observe changes that are part of a simple life cycle of a plant: seed, seedling, plant, flower, and fruit.												T

The provisions of §112.11 of this subchapter shall be implemented by school districts beginning with the 2018-2019 school year.