

Science TEKS Verification Document

Grade 1

		1 st NW			2 nd NW		3 rd NW			4 th NW		
		Intro	1	2	3	4	5	6	7	7	8	9
1.1	Scientific investigation and reasoning. 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:											
1.1A	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
1.1B	Identify and learn how to use natural resources and materials, including conservation and reuse or recycling of paper, plastic, and metals.	O	T	O	O	T	O	O	O	O	O	O
1.2	Scientific investigation and reasoning. The student develops abilities to ask questions and seek answers in classroom and outdoor investigations. The student is expected to:											
1.2A	Ask questions about organisms, objects, and events observed in the natural world.	T	T	T	T	T	T	T	T	T	T	T
1.2B	Plan and conduct simple descriptive investigations.	T	T	T	T	T	T	T	T	T	T	T
1.2C	Collect data and make observations using simple tools.	T	T	T	T	T	T	T	T	T	T	T
1.2D	Record and organize data using pictures, numbers, and words.	T	T	T	T	T	T	T	T	T	T	T
1.2E	Communicate observations and provide reasons for explanations using student-generated data from simple descriptive investigations.	O	T	T	T	T	T	T	T	T	T	T
1.3	Scientific investigation and reasoning. The student knows that information and critical thinking are used in scientific problem solving. The student is expected to:											
1.3A	Identify and explain a problem and propose a solution.	O	O	T	O	T	O	O	O	O	O	O
1.3B	Make predictions based on observable patterns.	O	T	O	T	O	T	T	O	O	O	T
1.3C	Describe what scientists do.	T	T	O	T	T	T	T	T	T	T	T
1.4	Scientific investigation and reasoning. The student uses age-appropriate tools and models to investigate the natural world. The student is expected to:											
1.4A	Collect, record, and compare information using tools, including computers, hand lenses, primary balances, cups, bowls, magnets, collecting nets, notebooks, and safety goggles or chemical splash goggles, as appropriate; timing devices; non-standard measuring items; weather instruments such as demonstration thermometers and wind socks; and materials to support observations of habitats of organisms such as aquariums and terrariums.	T	T	T	T	T	T	T	T	T	T	T
1.4B	Measure and compare organisms and objects using non-standard units.		T	O	O	O	O	O	O	O	T	O
1.5	Matter and energy. The student knows that objects have properties and patterns. The student is expected to:											
1.5A	Classify objects by observable properties such as larger and smaller, heavier and lighter, shape, color, and texture.		T									
1.5B	Predict and identify changes in materials caused by heating and cooling.		T									
1.5C	Classify objects by the materials from which they are made.		T									
1.6	Force, motion, and energy. The student knows that force, motion, and energy are related and are a part of everyday life. The student is expected to:											
1.6A	Identify and discuss how different forms of energy such as light, thermal, and sound are important to everyday life.			T								
1.6B	Predict and describe how a magnet can be used to push or pull an object.				T							

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1.6C	Demonstrate and record the ways that objects can move such as in a straight line, zig zag, up and down, back and forth, round and round, and fast and slow.				T							
1.7	<i>Earth and space.</i> The student knows that the natural world includes rocks, soil, and water that can be observed in cycles, patterns, and systems. The student is expected to:											
1.7A	Observe, compare, describe, and sort components of soil by size, texture, and color.					T						
1.7B	Identify and describe a variety of natural sources of water, including streams, lakes, and oceans					T						
1.7C	Identify how rocks, soil, and water are used to make products.					T						
1.8	<i>Earth and space.</i> The student knows that the natural world includes the air around us and objects in the sky. The student is expected to:											
1.8A	Record weather information, including relative temperature such as hot or cold, clear or cloudy, calm or windy, and rainy or icy.	T							T			
1.8B	Observe and record changes in the appearance of objects in the sky such as the Moon and stars, including the Sun.						T					
1.8C	Identify characteristics of the seasons of the year and day and night.						T	T				
1.8D	Demonstrate that air is all around us and observe that wind is moving air.							T				
1.9	<i>Organisms and environments.</i> The student knows that the living environment is composed of relationships between organisms and the life cycles that occur. The student is expected to:											
1.9A	Sort and classify living and nonliving things based upon whether they have basic needs and produce offspring.									T	T	
1.9B	Analyze and record examples of interdependence found in various situations such as terrariums and aquariums or pet and caregiver.									T	T	
1.9C	Gather evidence of interdependence among living organisms such as energy transfer through food chains or animals using plants for shelter.									T	T	
1.10	<i>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:											
1.10A	Investigate how the external characteristics of an animal are related to where it lives, how it moves, and what it eats.											T
1.10B	Identify and compare the parts of plants.											T
1.10C	Compare ways that young animals resemble their parents.											T
1.10D	Observe and record life cycles of animals such as a chicken, frog, or fish.											T
<i>The provisions of §112.12 of this subchapter shall be implemented by school districts beginning with the 2018-2019 school year.</i>												