

TEKS Snapshot - Grade 3 Science

	Process Standards (Scientific Investigation and Reasoning Skills)			
3.1	Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following school and home safety procedures and environmentally appropriate practices.			
3.2	Scientific investigation and reasoning. The student uses scientific inquiry methods during laboratory and outdoor investigations.			
3.3	Scientific investigation and reasoning. The student knows that information, critical thinking, scientific problem solving, and the contributions of scientists are used in making decisions.			
3.4	Scientific investigation and reasoning. The student knows how to use a variety of tools and methods to conduct science inquiry.			
	Tools to Know		Ways to Show	
3.1(A	demonstrate safe practices as described in the Texas Safety Standards during classroom and outdoor investigations, including observing a schoolyard habitat	• •	ect data by observing and measuring using the metric system and recognize differences ween observed and measured data	
3.1(B	make informed choices in the use and conservation of natural resources by recycling or reusing materials such as paper, aluminum cans, and plastics		struct maps, graphic organizers, simple tables, charts, and bar graphs using tools and current inology to organize, examine, and evaluate measured data	
3.2(A	plan and implement descriptive investigations, including asking and answering questions, making inferences, and selecting and using equipment or technology needed, to solve a specific problem in the natural world	from	yze and interpret patterns in data to construct reasonable explanations based on evidence n investigations municate valid conclusions supported by data in writing, by drawing pictures, and through	
3.2(E	demonstrate that repeated investigations may increase the reliability of results	, ,	pal discussion	
3.4(A	collect, record, and analyze information using tools, including microscopes, cameras, computers, hand lenses, metric rulers, Celsius thermometers, wind vanes, rain gauges, pan balances, graduated cylinders, beakers, spring scales, hot plates, meter sticks, compasses, magnets, collecting nets, notebooks, sound recorders, and Sun, Earth, and Moon system models; timing devices, including clocks and stop watches; and materials to support observation of habitats of	evide sides by th	I fields of science, analyze, evaluate, and critique scientific explanations by using empirical ence, logical reasoning, and experimental and observational testing, including examining all s of scientific evidence of those scientific explanations, so as to encourage critical thinking he student with the student of product claims found in advertisements and labels	
	organisms such as terrariums and aquariums	such	n as toys and food	
3.4(B	use safety equipment as appropriate, including safety goggles and gloves	• • •	esent the natural world using models such as volcanoes or Sun, Earth, and Moon system identify their limitations, including size, properties and materials	
		, ,	nect grade-level appropriate science concepts with the history of science, science careers, contributions of scientists	

	Knowledge and Skills Statements		
3.5	Matter and energy. The student knows that matter has measurable physical properties and those properties determine how matter is classified, changed, and used.		
3.6	Force, motion, and energy. The student knows that forces cause change and that energy exists in many forms.		
3.7	7 Earth and space. The student knows that Earth consists of natural resources and its surface is constantly changing.		
3.8	Earth and space. The student knows there are recognizable patterns in the natural world and among objects in the sky.		
3.9	Organisms and environments. The student knows that organisms have characteristics that help them survive and can describe patterns, cycles, systems, and relationships within the environments.		
3.10	Organisms and environments. The student knows that organisms undergo similar life processes and have structures that help them survive within their environments.		

^{^ =} Student Expectation specifically included in STAAR Assessed Curriculum at Grade 3 (classified as a Readiness or Supporting Standard in Grade 3 based on its characteristics as part of the Grade 3 Science curriculum)



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REV May 2015

Rptg Cat	Readiness Standards	Supporting Standards
1 Matter and Energy	3.5(A)* measure, test, and record physical properties of matter, temperature, mass, magnetism, and the ability to sink or	
2 Force, Motion, and Energy	3.6(A)* explore different forms of energy, including mechanical, and heat/thermal in everyday life	light, sound, 3.6(B)^ demonstrate and observe how position and motion can be changed by pushing and pulling objects to show work being done such as swings, balls, pulleys, and wagons 3.6(C)* observe forces such as magnetism and gravity acting on objects
3 Earth and Space	3.7(A)* explore and record how soils are formed by weathering of the decomposition of plant and animal remains 3.8(B)* describe and illustrate the Sun as a star composed of gas provides light and heat energy for the water cycle 3.8(D)^ identify the planets in Earth's solar system and their positive relation to the sun	3.7(C) identify and compare different landforms, including mountains, hills, valleys, and plains eses that 3.7(D) explore the characteristics of natural resources that make them useful in products and materials such as clothing and furniture and how resources may be conserved
4 Organisms and Environments	3.9(A)^ observe and describe the physical characteristics of environment how they support populations and communities within a same explore how structures and functions of plants and anim them to survive in a particular environment	ecosystem ecosystem such as removal of frogs from a pond or bees from a field

NOTE: The classification of standards on this TEKS Snapshot represents the reviewed and synthesized input of a sample of Texas Science teachers. This TEKS Snapshot DOES NOT represent a publication of the Texas Education Agency. District curriculum materials may reflect other classifications

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