

Student Learning Report: Science Grade 5



Name		Grading Period								
		<input type="checkbox"/> 1 st	<input type="checkbox"/> 2 nd	<input type="checkbox"/> 3 rd	<input type="checkbox"/> 4 th	<input type="checkbox"/> 5 th	<input type="checkbox"/> 6 th			
Report Cat # 1	Readiness Standards	My Goal	Test 1	Test 2	Test 3	Supporting Standards	My Goal	Test 1	Test 2	Test 3
	5.5.A classify matter based on physical properties, including mass, magnetism, physical state (solid, liquid, and gas), relative density (sinking and floating), solubility in water, and the ability to conduct or insulate thermal energy or electric energy. Where are my strengths? Where can I improve? What actions do I need to take?					5.5.B identify the boiling and freezing/melting points of water on the Celsius scale. 5.5.C demonstrate that some mixtures maintain physical properties of their ingredients such as iron filings and sand. 5.5.D identify changes that can occur in the physical properties of the ingredients of solutions such as dissolving salt in water or adding lemon juice to water. 3.5.C predict, observe, and record changes in the state of matter caused by heating or cooling.				
Report Cat # 2	Readiness Standards	My Goal	Test 1	Test 2	Test 3	Supporting Standards	My Goal	Test 1	Test 2	Test 3
	5.6.A explore the uses of energy, including mechanical, light, thermal, electrical, and sound energy. 5.6.B demonstrate that the flow of electricity in circuits requires a complete path through which an electric current can pass and can produce light, heat, and sound. 5.6.C demonstrate that light travels in a straight line until it strikes an object or travels through one medium to another and demonstrate that light can be reflected such as the use of mirrors or other shiny surfaces and refracted such as the appearance of an object when observed through water.					5.6.D design an experiment that tests the effect of force on an object. 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.				
						Where are my strengths? Where can I improve? What actions do I need to take?				

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Report Cat # 4	Readiness Standards	My Goal	Test 1	Test 2	Test 3	Supporting Standards	My Goal	Test 1	Test 2	Test 3
	5.9.A observe the way organisms live and survive in their ecosystem by interacting with the living and non-living elements. 5.9.B describe how the flow of energy derived from the Sun, used by producers to create their own food, is transferred through a food chain and food web to consumers and decomposers.					5.9.C predict the effects of changes in ecosystems caused by living organisms, including humans, such as the overpopulation of grazers or the building of highways. 5.9.D identify the significance of the carbon dioxide oxygen cycle to the survival of plants and animals.				
	5.10.A compare the structures and functions of different species that help them live and survive such as hooves on prairie animals or webbed feet in aquatic animals. 3.10.B differentiate between inherited traits of plants and animals such as spines on a cactus or shape of a beak and learned behaviors such as an animal learning to ride a bicycle.					5.10.C describe the differences between complete and incomplete metamorphosis of insects. 3.9.A observe and describe the physical characteristics of environments and how they support populations and communities within an ecosystem.				
	Where are my strengths? Where can I improve? What actions do I need to take?					3.10.C investigate and compare how animals and plants undergo a series of orderly changes in their diverse life cycles such as tomato plants, frogs, and lady bugs.				

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Report Cat # 3	Readiness Standards	My Goal	Test 1	Test 2	Test 3	Supporting Standards	My Goal	Test 1	Test 2	Test 3
	5.7.A explore the processes that led to the formation of sedimentary rocks and fossil fuels. 5.7.B recognize how landforms such as deltas, canyons, and sand dunes are the result of changes to Earth's surface by wind, water, and ice. 5.7.C identify alternative energy resources such as wind, solar, hydroelectric, geothermal, and biofuels. 3.8.C demonstrate that Earth rotates on its axis once approximately every 24 hours causing the day/night cycle and the apparent movement of the Sun across the sky.					5.7.D identify fossils as evidence of past living organisms and the nature of the environments at the time using models. 5.8.A differentiate between weather and climate. 5.8.B explain how the Sun and the ocean interact in the water cycle. 5.8.D identify and compare the physical characteristics of the Sun, Earth, and Moon.				
	Where are my strengths? Where can I improve? What actions do I need to take?					4.7.A examine properties of soils, including color and texture, capacity to retain water, and ability to support the growth of plants. 4.7.C identify and classify Earth's renewable resources, including air, plants, water, and animals; and nonrenewable resources, including coal, oil, and natural gas, and the importance of conservation. 4.8.A measure and record changes in weather and make predictions using weather maps, weather symbols, and a map key. 4.8.B describe and illustrate the continuous movement of water above and on the surface of Earth through the water cycle and explain the role of the Sun as a major source of energy in this process. 4.8.C collect and analyze data to identify sequences and predict patterns of change in shadows, tides, seasons, and the observable appearance of the Moon over time. 3.7.B investigate rapid changes in Earth's surface such as volcanic eruptions, earthquakes, and landslides. 3.8.D identify the planets in Earth's solar system and their position in relation to the Sun.				

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Process Standards (Underlying Processes and Mathematical Tools)						My Goal	Test 1	Test 2	Test 3
5.1.A	demonstrate safe practices and the use of safety equipment as described in the Texas Safety Standards during classroom and outdoor investigations								
5.1.B	make informed choices in the conservation, disposal, and recycling of materials								
5.1.A	describe, plan, and implement simple experimental investigations testing one variable								
5.2.B	ask well-defined questions, formulate testable hypotheses, and select and use appropriate equipment and technology								
5.2.C	collect information by detailed observations and accurate measuring								
5.2.D	analyze and interpret information to construct reasonable explanations from direct (observable) and indirect (inferred) evidence								
5.2.E	demonstrate that repeated investigations may increase the reliability of results								
5.2.F	communicate valid conclusions in [both] written [and verbal] form[s]								
5.2.G	construct appropriate simple graphs, tables, maps, and charts using technology, including computers, to organize, examine, and evaluate information								
5.3.A	in all fields of science, analyze, evaluate, and critique scientific explanations by using empirical evidence, logical reasoning, and experimental and observational testing, including examining all sides of scientific evidence of those scientific explanations, so as to encourage critical thinking by the student								
5.3.B	evaluate the accuracy of the information related to promotional materials for products and services such as nutritional labels								
5.3.C	draw or develop a model that represents how something works or looks that cannot be seen such as how a soda dispensing machine works								
5.3.D	connect grade-level appropriate science concepts with the history of science, science careers, and contributions of scientists								
5.4.A	collect, record, and analyze information using tools, including calculators, microscopes, cameras, computers, hand lenses, metric rulers, Celsius thermometers, prisms, mirrors, pan balances, triple beam balances, spring scales, graduated cylinders, beakers, hot plates, meter sticks, magnets, collecting nets, and notebooks; timing devices, including clocks and stopwatches; and materials to support observations of habitats or organisms such as terrariums and aquariums								
5.4.B	use safety equipment, including safety goggles and gloves								
	Where are my strengths? Where can I improve? What actions do I need to take								