

Sherman ISD First Grade Science Parent Standards-Based Report Card Rubric

		First Grade Science Assessment of Mastery			
	Standard Assessed	MS = Meets end of year grade level standard AP = Approaching end of year grade level standard DN = Does not yet meet end of year grade level standard * = Not yet introduced			
Report Card	Standard Assessed	Reporting Quarter			
		1	2	3	4
Every Quarter- PROCESS SKILLS					
Actively participates in planning and conducting investigations using tools safely.	1a Identify, discuss, and demonstrate safe and healthy practices as outlined in the TEA approved safety standards during classroom and outdoor investigations, including wearing safety goggles or chemical splash goggles, as appropriate, washing hands, and using materials appropriately. .				
	1b identify and learn how to use natural resources and materials, including conservation and reuse or recycling of paper, plastic, and metals				
	2a ask questions about organisms, objects, and events observed in the natural world.				
	2b ask questions about organisms, objects, and events observed in the natural world.				
Observes, collects, measures, and records scientific data.	2c Collect data and make observations using simple tools.				
	2d record and organize data using pictures, numbers, and words.				
	2e communicate observations and provide reasons for explanations using student-generated data from simple descriptive investigations.				
	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; nonstandard 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.				
	4b measure and compare organisms and objects using non-standard units				
Makes predictions, justifies, explains, and draws conclusions based on data.	2e make predictions, justifies, explains, and draws conclusions based on data				
	3a identify and explain a problem and propose a solution.				
	3b make predictions based on observable patterns.				
	3c describe what scientists do				
LIFE SCIENCE					
Gathers evidence to show that plants	9A sort and classify living and nonliving things based upon whether they have basic needs and produce offspring				

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<b>depend on their environment to meet their basic needs.</b>	9B analyze and record examples of interdependence found in various situations such as terrariums and aquariums or pet and caregiver				
	9C gather evidence of interdependence among living organisms such as energy transfer through food chains or animals using plants for shelter				
<b>Identifies and compares parts of plants.</b>	10B Identify and compare the parts of plants.				
<b>Observe and record life cycles of animals such as a chicken, a frog, or fish</b>	10C Compare ways that young animals resemble their parents.				
	10D Observe and record life cycles of animals such as a chicken, frog, or fish.				
<b>Identify characteristics of animals that relate to what they eat, where they live, and how they move</b>	10A Investigate how the external characteristics of an animal are related to where it lives, how it moves, and what it eats.				
<b>PHYSICAL SCIENCE</b>					
<b>Classifies objects by observable properties.</b>	5A classify objects by observable properties such as larger and smaller, heavier and lighter, shape, color, and texture				
	5B predict and identify changes in materials caused by heating and cooling				
	5C Classify objects by the materials from which they are made				
<b>I can identify and discuss how different forms of energy are important to everyday life</b>	6a identify and discuss how different forms of energy such as light, thermal, and sound are important to everyday life				
	6b predict and describe how a magnet can be used to push or pull an object				
	6c Demonstrate and record the ways objects can move such as in a straight line, zig zag, up and down, back and forth, round and round, and fast and slow				
<b>EARTH SCIENCE</b>					
<b>Identifies and describes natural resources and explains how they can be used.</b>	7A Observe, compare, describe, and sort components of soil by size, texture, and color				
	7B Identify and describe a variety of natural sources of water, including streams, lakes, and oceans.				
	7c identify how rocks, soil, and water are used to make products				
<b>Observe and record changes in weather and movement of objects in the sky</b>	8A Record weather information, including relative temperature, such as hot or cold, clear or cloudy, calm or windy, and rainy or icy.				
	8B Observe and record changes in the appearance of objects in the sky such the moon, and stars, including the sun.				
	8C Identify characteristics of seasons of the year and day and night.				
	8D Demonstrate that air is all around us and observe that wind is moving air.				