

Standards Based Report Card Rubric: Grade 2 Science				
Student Expectations	Standards Assessed	Assessment of Mastery		
		Meets Standard - Scored 3	Progress Being Made Toward Standard - Scored 2	Area of Concern (Not making appropriate progress) - Scored 1
Process Skills				
Actively participates in planning and conducting investigations using tools safely.	1(A) Identify, describe, and demonstrate safe practices as outlined in the 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. 1(B) Identify and demonstrate how to use, conserve, and dispose of natural resources and materials such as conserving water and reuse or recycling of paper, plastic, and metal. 2(A) Ask questions about organisms, objects, and events during investigations. 2(B) Plan and conduct descriptive investigations.	Consistently able to actively participate in planning and conducting investigations using tools safely	Occasionally able to actively participate in planning and conducting investigations using tools safely	Rarely able to actively participate in planning and conducting investigations using tools safely
Observes, collects and records scientific data.	2(C) Collect data from observations using scientific tools. 2(D) Record and organize data using pictures, numbers, and words. 2(E) communicate observations and justify explanations using student-generated data from simple descriptive investigations. 2(F) Compare results of investigations with what students and scientists know about the world.	Consistently able to observe, collect, and record scientific data independently.	Occasionally able to observe, collect, and record scientific data independently.	Rarely able to observe, collect, and record scientific data independently.
Observes, collects and records scientific data.	4(A) Collect, record, and compare information using tools, including 4(B) Measure and compare organisms and objects.	Consistently able to observe, collect, and record scientific data independently.	Occasionally able to observe, collect, and record scientific data independently.	Rarely able to observe, collect, and record scientific data independently.

Makes predictions, justifies explanations, and draws conclusions based on data.	3(A) Identify and explain a problem and propose a task and solution for the problem. 3(B) Make predictions based on observable patterns. 3(C) Identify what a scientist is and explore what different scientists do.	Consistently able to make predictions, justify explanations, and draw conclusions based on data independently	Occasionally able to make predictions, justify explanations, and draw conclusions based on data independently.	Rarely able to make predictions, justify explanations, and draw conclusions based on data independently.
Life Science				
Demonstrates understanding that plants/animals depend on their environment and each other to meet their basic needs.	9(A) Identify the basic needs of plants and animals. 9(B) Identify factors in the environment including temperature and precipitation that affect growth and behavior such as migration, hibernation, and dormancy of living things. 9(C) Compare the ways living organisms depend on each other and on their environments such as through food chains. 10(A) Observe, record, and compare how the physical characteristics and behaviors of animals help them meet their basic needs.	Consistently understands how plants and animals depend on their environment to meet their basic needs.	Occasionally understands how plants and animals depend on their environment to meet their basic needs.	Rarely able to show understanding of how plants and animals depend on their environment to meet their basic needs.
Identifies the parts of plants and describes their functions.	10(B) Observe, record, and compare how the physical characteristics of plants help them meet their basic needs such as stems carry water throughout the plant.	Consistently able to identify the parts of plants and describe their functions.	Occasionally able to identify the parts of plants and describe their functions.	Rarely able to identify the parts of plants and describe their functions.
Identifies the stages in the life cycle of an insect.	10(C) Investigate and record some of the unique stages that insects undergo during their life cycle.	Consistently able to explain the stages in the live cycle of an insect.	Occasionally able to explain the stages in the live cycle of an insect.	Rarely able to explain the stages in the live cycle of an insect.
Earth Science				
Identifies and compares properties of natural resources, including rocks and sources of fresh and salt water.	7(A) Observe, compare, and describe rocks by size, texture, and color. 7(B) Identify and compare the properties of natural sources of freshwater and saltwater. 7(C) Distinguish between natural and manmade resources.	Consistently able to identify and compare properties of natural resources including rocks and fresh and saltwater sources.	Occasionally able to identify and compare properties of natural resources including rocks and fresh and saltwater sources	Rarely able to identify and compare properties of natural resources including rocks and fresh and saltwater sources.

Identifies patterns and cycles in earth systems including the water cycle, weather, and the moon.	8(A) Measure, record, and graph weather information, including temperature, wind conditions, precipitation, and cloud coverage, in order to identify patterns in the data. 8(B) Identify the importance of weather and seasonal information to make choices in clothing, activities, and transportation. 8(C) Observe, describe, and record patterns of objects in the sky, including the appearance of the moon.	Consistently able to identify patterns and cycles in earth systems including the water cycle, weather, and the moon.	Occasionally able to identify patterns and cycles in earth systems including the water cycle, weather, and the moon.	Rarely able to identify patterns and cycles in earth systems including the water cycle, weather, and the moon.
Physical Science				
Demonstrates that force causes change in motion.	5(A) Classify matter by physical properties, including relative temperature, texture, flexibility, and whether material is a solid or liquid. 5(B) Compare changes in materials caused by heating and cooling. 5(C) Demonstrate that things can be done to materials such as cutting, folding, sanding, and melting to change their physical properties. 5(D) Combine materials that when put together can do things that they cannot do by themselves such as building a tower or a bridge and justify the selection of those materials based on their physical properties. 6(A) Investigate the effects on objects by increasing or decreasing amounts of light, heat, and sound energy such as how the color of an object appears different in dimmer light or how heat melts butter	Consistently able to classify matter based on properties and demonstrate that things can be done to change physical properties.	Occasionally able to classify matter based on properties and demonstrate that things can be done to change physical properties.	Rarely able to classify matter based on properties and demonstrate that things can be done to change physical properties.
Classifies matter based on properties and demonstrates that things can be done to change physical properties.	6(B) Observe and identify how magnets are used in everyday life. 6(C) Trace and compare patterns of movement of objects such as sliding, rolling, and spinning.	Consistently able to explain that forces cause change in motion.	Occasionally able to explain that forces cause change in motion.	Rarely able to explain that forces cause change in motion.

