Grade 1 Side-by-Side

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2021 K 715.1.4 (

SCIENCE.1.1.A	ask questions and define problems based on observations or information from text, phenomena, models, or investigations;	1.2.A	ask questions about organisms, objects, and events observed in the natural world;
SCIENCE.1.1.B	use scientific practices to plan and conduct simple descriptive investigations and use engineering practices to design solutions to problems	1.2.B	plan and conduct simple descriptive investigations;
SCIENCE.1.1.C	identify, describe, and demonstrate safe practices during classroom and field investigations as outlined in Texas Education Agency-approved safety standards;	1.1.A	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; and
		1.4	Scientific investigation and reasoning. The student uses age-appropriate tools and models to investigate the natural world. The student is expecteCID 25d (t)6.1 (o)1.4:.4

SCIENCE.1.2.B	analyze data by identifying significant features and patterns;	1.3.B	make predictions based on observable patterns; and	
SCIENCE.1.2.C	use mathematical concepts to compare two objects with common attributes; and	1.4.B	measure and compare organisms and objects using non-standard units	
SCIENCE.1.2.D	evaluate a design or object using criteria to determine if it works as intended.			
SCIENCE.1.3	Scientific and engineering practices. The student develops evidence-based explanations and communicates findings, conclusions, and proposed solutions. The student is expected to:			
SCIENCE.1.3.A	develop explanations and propose solutions supported by data and models;	1.3.A	identify and explain a problem and propose a solution;	
SCIENCE.1.3.B	communicate explanations and solutions individually and collaboratively in a variety of settings and formats; and	1.2.E	communicate observations and provide reasons for explanations using student-generated data and simple descriptive investigations.	Students are now being asked to communicate not only as scientists but also as engineers.
SCIENCE.1.3.C	listen actively to others' explanations to identify relevant evidence and engage respectfully in scientific discussion.			
SCIENCE.1.4	Scientific and engineering practices. The student knows the contributions of scientists and recognizes the importance of scientific research and innovati society. The student is expected to:			
SCIENCE.1.4.A	explain how science or an innovation can help others; and			
SCIENCE.1.4.B	identify scientists and engineers such as Katherine Johnson, Sally Ride, and Ernest Just and explow what different scientists and engineers do.	1.3.C	describe what scientists do.	
SCIENCE.1.5	Recurring themes and concepts. The student uses recurring themes and concepts to make connections across disciplines. The student is expected to:			
SCIENCE.1.5.A	identify and use patterns to describe phenomena or design solutions;			
SCIENCE.1.5.B	investigate and predict cause-and-effect relationships in science;			
SCIENCE.1.5.C				

		1.5	Matter and ~~energy.~~ The student knows that objects have properties and ~~ pattern~~. The student is expected to:
		1.5.C	classify objects ~~by the materials from which they are made.~~
SCIENCE.1.6.A	classify objects by observable physical properties, including shape, color, and texture, and attributes such as larger and smaller and heavier and lighter;	1.5.A	classify objects by observable properties such as larger and smaller, heavier and lighter, shape, color, and texture;
SCIENCE.1.6.B	explain and predict changes in materials caused by heating and cooling; and	1.5.B	predict and ~~identify~~ changes in materials caused by heating and cooling;
SCIENCE.1.6.C	demonstrate and explain that a whole object is a system made of organized such as a toy that can be taken apart and put back together.		
SCIENCE.1.7	Force, motion, and energy. The student knows that forces cause changes in motion and position in everyday life. The student is expected to:	1.192 289 >>BDC /TT1 1 Tf -0.001 Tc 0.004	SCIENCE.1.7s

SCIENCE.1.10.C compare the properties of puddles, ponds, streams, rivers,