



SCIENCE PRIORITY AND SUPPORTING STANDARDS
GRADE 5

List of Priority Standards as Shown on Report Card		Notes on Supporting Standards	
5.SEP.2	Developing and Using Models		
		5.ES.2.1	<i>Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact.</i>
		5.LS.2.1	<i>Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment.</i>
		5.PS.1.1	<i>Develop a model to describe that matter is made of particles too small to be seen.</i>
		5.PS.3.1	<i>Use models to describe that energy in animals' food (used for body repair, growth, motion, and to maintain body warmth) was once energy from the sun.</i>
5.SEP.3	Planning and Carrying Out Investigations		
		5.PS.1.3	<i>Make observations and measurements to identify materials based on their properties.</i>
		5.PS.1.4	<i>Conduct an investigation to determine whether the mixing of two or more substances results in new substances.</i>
5.SEP.4	Analyzing and Interpreting Data		
		5.ES.1.2	<i>Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky.</i>
5.SEP.5	Using Mathematics and Computational Thinking		
		5.ES.2.2	<i>Describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth.</i>
		5.PS.1.2	<i>Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling, or mixing substances, the total weight of matter is conserved.</i>



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5.SEP.7	Engaging in Argument from Evidence		
		5.ES.1.1	<i>Support an argument that differences in the apparent brightness of the sun compared to other stars is due to their relative distances from Earth.</i>
		5.LS.1.1	<i>Support an argument that plants get the materials they need for growth chiefly from air and water.</i>
		5.PS.2.1	<i>Support an argument that the gravitational force exerted by Earth on objects is directed down.</i>
5.SEP.8	Obtaining, Evaluating, and Communicating Information		
		5.ES.3.1	<i>Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment.</i>