



SCIENCE PRIORITY AND SUPPORTING STANDARDS
GRADE 4

List of Priority Standards as Shown on Report Card		Notes on Supporting Standards	
4.SEP.1	Asking Questions and Defining Problems		
		4-PS.3.3	<i>Ask questions and predict outcomes about the changes in energy that occur when objects collide.</i>
4.SEP.2	Developing and Using Models		
		4-LS.1.2	<i>Use a model to describe that animals receive different types of information through their senses, process the information in their brain, and respond to the information in different ways.</i>
		4-PS.4.1	<i>Develop a model of waves to describe patterns in terms of amplitude and wavelength and that waves can cause objects to move.</i>
		4-PS.4.2	<i>Develop a model to describe that light reflecting from objects and entering the eye allows objects to be seen.</i>
4.SEP.3	Planning and Carrying Out Investigations		
		4-ES.2.1	<i>Make observations and/or measurement to provide evidence of the effects of weathering or the rate of erosion by water, ice, wind or vegetation.</i>
		4-PS.3.2	<i>Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents.</i>
4.SEP.4	Analyzing and Interpreting Data		
		4-ES.2.2	<i>Analyze and interpret data from maps to describe patterns of Earth's features.</i>
4.SEP.6	Constructing Explanations and Designing Solutions		
		4-ES.1.1	<i>Identify evidence from patterns in rock formations and fossils in rock layers to support an explanation for changes in landscape over time.</i>
		4-ES.3.2	<i>Generate and compare multiple solutions to reduce the impacts of</i>



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			<i>natural Earth processes on humans.</i>
		4-PS.3.1	<i>Use evidence to construct an explanation relating the speed of an object to the energy of that object.</i>
		4-PS.3.4	<i>Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.</i>
		4-PS.4.3	<i>Generate and compare multiple solutions that use patterns to transfer information.</i>
4.SEP.7	Engaging in Argument from Evidence		
		4-LS.1.1	<i>Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior and reproduction.</i>
4.SEP.8	Obtaining, Evaluating, and Communicating Information		
		4-ES.3.1	<i>Obtain and combine information to describe that energy and fuels are derived from natural resources and their uses affect the environment.</i>