

1st Grade Science Scope and Sequence 2018-2019 School Year

Unit	Grade 1		Vocabulary
Unit 1: Up In the Sky	Unit Teaching Window: September 4 - October 5 Unit Assessment Window: October 8 - October 12	Discovery Techbook Resource Alignment	sun, moon, stars, weather patterns, data, telescope, planets, predict, seasons, record, near, far
Topic/Genre: Objects in the Sky Essential Question: What is the universe, and what is Earth's place in it?	I can Statements 1.ESS1.A.1, 1.ESS1.A.2 <i>I can use observations to describe the patterns of the sun, moon, and stars.</i> 1.ESS2.D <i>I can identify weather patterns from data.</i>	Unit 4: Up In The Sky	
Unit 2: Solving Problems	Unit Teaching Window: October 15 - December 14 Unit Assessment Window: December 17 - December 21	Discovery Techbook Resource Alignment	technology, tools, communicate, improve, machines, function, strengths, design, engineers
Topic/Genre: Engineering Design Essential Questions: How do engineers solve problems?	I can Statements 1. ETS1.A, 1.ETS1.C <i>I can ask questions, make observations, and gather information from testing two objects.</i>	Unit 2: Solving Problems	

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	1.ETS1.B <i>I can develop a simple sketch, drawing, or physical model.</i>		
Unit 3: Living Things	Unit Teaching Window: January 8 - March 1 Unit Assessment Window: March 4 - March 8	Discovery Techbook Resource Alignment	characteristics, mimic, survives, foundation, solution, living things, nonliving things, organism,
Topic/Genre: Physical Characteristics and How living things change Essential Question: How do organisms live, grow, respond to their environment?	I can Statements	Unit 3: Living Things	
	1.LS1.A <i>I can explain how materials are used to design a solution to a human problem.</i> 1.LS1.A <i>I can explain plants and animals external parts and their uses.</i> 1.LS3.A <i>I can explain how plants and animals change over time.</i>		
Unit 4: Seeing and Hearing	Unit Teaching Window: March 11 - May 10 Unit Assessment Window: May 13 - May 17	Discovery Techbook Resource Alignment	energy, releases, friction, manmade, natural, vibrations, waves, heat
Topic/Genre:	I can Statements	Unit 1: Seeing and Hearing	

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<p>Designing and improving systems</p> <p>Essential Question: How are waves used to transfer energy and information?</p>	<p>1.PS3.A <i>I can identify the source of energy that causes heat.</i></p> <p>1.PS4.A <i>I can conduct an experiment that shows how sound is made.</i></p> <p>1.PS4.C <i>I can design a device that uses light and sound to communicate.</i></p>		
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