

A Correlation of
Elevate Science
Kindergarten, ©2019



To the
Virginia Standards of Learning for Science 2018
Kindergarten

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Text: Elevate Science, Kindergarten

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2018 Kindergarten Science Standards of Learning	
STANDARD	Correlation: Must address both the standards and the curriculum framework. Use page number and ATE for Annotated Teacher Edition or CT for Core Technology. (Identify no more than 8 correlations.)
<p>K.2 The student will investigate and understand that pushes and pulls affect the motion of objects. Key ideas include</p> <p>a) pushes and pulls can cause an object to move;</p>	<p>ATE: uConnect Lab: How do things move?, 4 uInvestigate Lab: How can we make objects move?, 7 Pushes and Pulls, 8-9 Ways Objects Move, 10 Evidence-Based Assessment, 32-33 uDemonstrate Lab: How do objects change their motion?, 34-35</p> <p>CT: Realize™ Digital Resources: Pushes and Pulls >Lesson 1, Pushes and Pulls>Video: Pushes and Pulls;>Interactivity: Push and Pull</p>

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<p>b) pushes and pulls can change the direction of an object; and</p>	<p>ATE: Different Ways to Move, 14 uEngineer It!: Maze Craze!, 18-19 uInvestigate Lab: How do you roll?, 21 Direction and Motion, 24 Quest Check-In Lab, 26 uDemonstrate Lab: How do objects change their motion?, 34-35</p> <p>CT: Realize™ Digital Resources: Pushes and Pulls >Lesson 2, Change in Movement>Video: Change in Movement >Lesson 3, Change Movement with Pushes and Pulls>Interactivity: Motion and Direction</p>
<p>c) changes in motion are related to the strength of the push or pull.</p>	<p>ATE: Literacy Connection: Cause and Effect, 5 uInvestigate Lab: How do objects move?, 13 Different Speeds, 15 uInvestigate Lab: How do you roll?, 21 Quest Check-In Lab: How does wind move my sail car?, 26 Evidence-Based Assessment, 32-33 uDemonstrate Lab: How do objects change their motion?, 34-35</p> <p>CT: Realize™ Digital Resources: Pushes and Pulls Lesson 2, Change in Movement>Interactivity: How Objects Move</p>

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K.3 The student will investigate and understand that physical properties of an object can be described. Properties include	
a) colors	<p>ATE: The Essential Question: How can you classify different objects?, 37 uInvestigate Lab: How are objects the same?, 49 Objects in Groups, 50-51 Quest Check-In Lab: How can you observe and sort objects?, 54 uDemonstrate Lab: How is one object different from another?, 70-71</p> <p>CT: Realize™ Digital Resources: Matter >Lesson 2, Objects>Video: Objects;>Interactivity: Sorting Objects</p>

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<p>b) shapes and forms:</p>	<p>ATE: uInvestigate Lab: How are objects the same?, 49 Objects in Groups, 50-51 You Can Change Matter, 53 Quest Check-In Lab: How can you observe and sort objects?, 54 uInvestigate Lab: What can you observe about water?, 57 uDemonstrate Lab: How is one object different from another?, 70-71</p> <p>CT: Realize™ Digital Resources: Matter >Lesson 2, Objects>Video: Objects;>Interactivity: Sorting Objects</p>
<p>c) textures and feel: and</p>	<p>ATE: The Essential Question: How can you classify different objects?, 37 uConnect Lab: What is the object?, 40 Jumpstart Discovery!, 42 uInvestigate Lab: How does it feel?, 43 Objects in Groups, 50-51 Quest Check-In Lab: How can you observe and sort objects?, 54 uDemonstrate Lab: How is one object different from another?, 70-71</p> <p>CT: Realize™ Digital Resources: Matter >Lesson 1, Senses>Interactivity: We Observe Using the Senses</p>
<p>d) relative sizes and weights of objects.</p>	<p>ATE: Temperature and Weight, 52 Quest Check-In Lab: How can you observe and sort objects?, 54 Math Connection, 55 uDemonstrate Lab: How is one object different from another?, 70-71</p> <p>CT: Realize™ Digital Resources: Matter >Lesson 2, Objects>Video: Objects</p>

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<p>b) water can be found in many places;</p>	<p>ATE: Animals Need Water, 159 Quest Check-In, 161 Deserts and Oceans, 196</p> <p>CT: Realize™ Digital Resources: Needs of Living Things >Lesson 2, Needs of Animals>Interactivity: Locating an Animal's Needs</p>
<p>c) water occurs in different phases;</p>	<p>For supporting content, please see:</p> <p>ATE: Investigate Lab: What can you observe about water?, 57 Solids, Liquids, and Gases, 58 Identify, 59 Sunny and Not Sunny, 111</p> <p>CT: Realize™ Digital Resources: Matter >Lesson 3, Solids, Liquids, and Gases>Video: Materials Can Change</p>
<p>d) water flows downhill.</p>	<p>Please refer to Elevate Science Grade 2, Topic 3: Earth's Land and Water, Lesson 2: Water on Earth.</p>

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K.5 The students will investigate and understand that senses allow humans to seek, find, take in, and react or respond to different information. Key ideas include	
a) the five basic senses correspond to specific human body structures; and	ATE: The Five Senses, 44 Identify, 45 CT: Realize™ Digital Resources: Matter >Lesson 1, Senses>Video: Senses;>Interactivity: We Observe Using the Senses;>Quiz: Senses
b) senses are used in our daily lives.	ATE: uInvestigate Lab: How does it feel?, 43 The Five Senses, 44-45 uDemonstrate Lab: How is one object different?, 70-71 CT: Realize™ Digital Resources: Matter > Lesson 1, Senses>Video: Senses;>Interactivity: We Observe Using the Senses;>Quiz: Senses

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K.6 The student will investigate and understand that there are differences between living organisms and nonliving objects. Key ideas include	
a) all things can be classified as living or nonliving; and	Please refer to <i>Elevate Science</i> Grade 1, Topic 5: Living Things, Lesson 4: Where Plants and Animals Live.
b) living organisms have certain characteristics that distinguish them from nonliving objects.	ATE: Plants Need Air, 153 Plants Need Water, 154 Animals Need Food, 158 Animals Need Water, 159 Animals Need Air, 160 People are Animals, 166 Living Things Have Life Cycles, 172 CT: Realize™ Digital Resources: Needs of Living Things >Lesson 4, Life Cycles> Interactivity: Life Cycle of a Pepper Plant

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<p>b) plants and animals have life cycles; and</p>	<p>ATE: ulInvestigate Lab: How does a plant grow and change?, 171 Living Things have Life Cycles, 172 Life Cycles Can Begin with Eggs, 174-175 Quest Check-In Lab: How do caterpillars change?, 176-177</p> <p>CT: Realize™ Digital Resources: Needs of Living Things >Lesson 4, Life Cycles>Video: Life Cycles;>Interactivity: Life Cycle of a Pepper Plant;>Quiz: Life Cycles</p>
<p>c) offspring of plants and animals are similar but not identical to their parents or to one another.</p>	<p>ATE: Babies Look Different from their Parents, 173</p> <p>CT: Realize™ Digital Resources: Needs of Living Things >Lesson 4, Life Cycles>Quiz: Life Cycles</p>

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<p>c) objects in shadows and objects in sunlight have different temperatures.</p>	<p>ATE: uInvestigate Lab: What can the sun do?, 79 uEngineer It!: Sunny Days, 84-85 The Sun Warms Earth, 88-89 Quest Check-In Lab: Which material makes the best roof?, 92-93 uDemonstrate Lab: Where is it warmer?, 100-101</p> <p>CT: Realize™ Digital Resources: Sunlight >Lesson 2, Sunlight and the Earth's Surface>Interactivity: Sun Makes the Temperature Change;>Quiz: Sunlight and the Earth's Surface</p>
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STANDARD	Correlation: Must address both the standards and the curriculum framework. Use page number and ATE for Annotated Teacher Edition or CT for Core Technology. (Identify no more than 8 correlations.)
K.9 The student will investigate and understand that there are patterns in nature. Key patterns include	
a) daily weather;	<p>ATE: uConnect Lab: How does the weather change during the day?, 106 Sunny and Not Sunny, 111 Wind, 112 uInvestigate Lab: How can you collect rain?, 117 Sun or Rain, 118 uDemonstrate Lab: What is the weather like?, 142-143</p> <p>CT: Realize™ Digital Resources: Earth’s Weather >Lesson 1, Different Kinds of Weather>Interactivity: Weather >Lesson 2, Weather Patterns>Interactivity: Record the Weather</p>

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<p>b) seasonal changes; and</p>	<p>ATE: Hot or Cold Weather, 119 uInvestigate Lab: What is the weather like in different seasons?, 123 Different Seasons, 124-125 Quest Check-In: Seasonal Changes, 126 uDemonstrate Lab: What is the weather like?, 142-143</p> <p>CT: Realize™ Digital Resources: Earth's Weather >Lesson 2, Weather Patterns>Video: Weather Patterns >Lesson 3, Seasons>Video: Seasons;>Interactivity: Seasons</p>
<p>c) day and night.</p>	<p>Please refer to <i>Elevate Science</i> Grade 1, Topic 3: Sky and Earth, Lesson 2: Patterns in the Sky.</p>

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K.10 The student will investigate and understand that change occurs over time. Key ideas include	
a) natural and human-made things change over time;	<p>ATE: uInvestigate Lab: How does a plant grow and change?, 171 Quest Check-In Lab: How do caterpillar change?, 176-177 uConnect Lab: How does a plant make a change to the place where it lives?, 190 Quest Check-In: Changes in Nature, 203 Quest Check-In Lab: How can people change the land?, 208 uDemonstrate Lab: How can an animal change where it lives?, 226-227</p> <p>CT: Realize™ Digital Resources: Environments >Lesson 2 Plants and Animals Change the Environment>Video: Plants and Animals Change the Environment;>Interactivity: Living Things Affect the Environment</p>

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<p>b) living and nonliving things change over time;</p>	<p>ATE: Quest Check-In: Seasonal Change, 126 uInvestigate Lab: How does a plant grow and change?, 171 Living Things have Life Cycles, 172 Quest Check-In Lab: How do caterpillar change?, 176-177 uConnect Lab: How does a plant make a change to the place where it lives?, 190 uDemonstrate Lab: How can an animal change where it lives?, 226-227</p> <p>CT: Realize™ Digital Resources: Needs of Living Things >Lesson 4, Life Cycles>Interactivity: Life Cycle of a Pepper Plant Environments >Lesson 2 Plants and Animals Change the Environment>Interactivity: Living Things Affect the Environment</p>
<p>c) changes can be observed and measured; and</p>	<p>ATE: uDemonstrate Lab: How do objects change their motion?, 34-35 uInvestigate Lab: Which objects change in the sun?, 87 uConnect Lab: How does the weather change during the day?, 106 uInvestigate Lab: How does a plant grow and change?, 171 Quest Check-In Lab: How do caterpillar change?, 176-177 uConnect Lab: How does a plant make a change to the place where it lives?, 190 uDemonstrate Lab: How can an animal change where it lives?, 226-227</p> <p>CT: Realize™ Digital Resources: Environments >Lesson 2 Plants and Animals Change the Environment>Interactivity: Living Things Affect the Environment</p>

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<p>d) changes may be fast or slow.</p>	<p>ATE: uInvestigate Lab: How does a plant grow and change?, 171 Different Seasons, 124-125 Thunderstorms and Tornadoes, 130 Hurricanes, 131 uDemonstrate Lab: What is the weather like?, 142-143 Quest Check-In Lab: How do caterpillars change?, 176-177</p> <p>CT: Realize™ Digital Resources: Earth's Weather >Lesson 3, Seasons>Interactivity: Seasons >Lesson 4, Severe Weather>Video: Severe Weather</p>
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c) choices we make impact the air, water, land and living things.	<p>ATE: Getting What We Need, 207 Helping Earth, 213 What You Can Do, 214-215 Quest Check-In Lab: How can we save our trails?, 216-217 Evidence-Based Assessment, 224-225</p> <p>CT: Realize™ Digital Resources: Environments >Lesson 3, People Change the Environment>Video: People Change the Environment;>Interactivity: People Affect the Environment >Lesson 4, People Can Protect the Environment>Interactivity: Who is helping care for the Earth?</p>
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