

A Correlation of
Elevate Science
Grade 1, ©2019



To the
Virginia Standards of Learning for Science 2018
Grade 1

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Publisher: Savvas Learning Company, LLC

Text: Elevate Science, Grade 1

Copyright date: 2019

2018 Grade One 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.)
1.2 The student will investigate and understand that objects can move in different ways. Key ideas include	
a) objects may have straight, circular, spinning, and back-and-forth motions; and	Supporting Content: ATE: Earth Spins, 88 Please see <i>Elevate Science</i> Grade K, Topic 1: Pushes and Pulls, Lesson 2: Changes in Movement.
b) objects may vibrate and produce sound.	ATE: Investigate Lab: How does size affect sound?, 7 Sound, 8 Investigate Lab: How can you see sound?, 13 Making Sounds, 14 Making Music, 16-17 Quest Check-In Lab: How can instruments talk?, 18-19 CT: Realize™ Digital Resources: Sound >Lesson 1, Describe Sound>Video: Describe Sound >Lesson 2, Make Sound>Interactivity: Sending Sounds to Communicate

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1.3 The student will investigate and understand that objects are made from materials that can be described by their physical properties. Key ideas include	
a) objects are made of one or more materials with different physical properties and can be used for a variety of purposes;	For supporting content, please see: ATE: Investigate Lab: How do materials affect light?, 49 Light Goes Through, 51 Light Bounces Off, 52 Materials That Reflect, 53 Quest Check-In: Materials for a light signal, 54 Solve it with Science, 55 CT: Realize™ Digital Resources: Light Lesson 2, Light and Matter>Interactivity: Shine Light on Matter
b) when a material is changed in size most physical properties remain the same; and	For supporting content, please see: ATE: Investigate Lab: How do materials affect light?, 49 CT: Realize™ Digital Resources: Light Lesson 2, Light and Matter>Video: Light and Matter

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<p>c) the type and amount of material determine how much light can pass through an object.</p>	<p>ATE: Jumpstart Discovery!, 48 uInvestigate Lab, 49 Blocked Light, 50 Light Goes Through, 51 uEngineer It!, 56-57</p> <p>CT: Realize™ Digital Resources: Light Lesson 2, Light and Matter>Video: Light and Matter;>Interactivity: Shine Light on Matter</p>
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<p>1.4 The student will investigate and understand that plants have basic life needs and functional parts that allow them to survive. Key ideas include</p> <p>a) plants need nutrients, air, water, light, and a place to grow;</p>	<p>ATE: Roots, 150 Stems and Leaves, 151 ulInvestigate Lab: What happens to a water plant out of water?, 169 Environments, 170 Land and Water Environments, 172-173</p> <p>CT: Realize™ Digital Resources: Living Things Lesson 1, Plant Parts>Video: Plant Parts;>Interactivity: Plant Parts Lesson 4, Where Plants and Animals Live>Video: Where Plants and Animals Live;>Interactivity: Land and Water Environments</p>

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<p>b) structures of plants perform specific functions; and</p>	<p>ATE: Jumpstart Discovery!, 148 uInvestigate Lab: What do the parts of a plant look like?, 149 Roots, 150 Stems and Leaves, 151 Flowers and Fruits, 152 Quest Check-In, 153 uInvestigate Lab: What can people learn from an acorn shell?, 163</p> <p>CT: Realize™ Digital Resources: Living Things >Lesson 1, Plant Parts>Video: Plant Parts;>Interactivity: Plant Parts</p>
<p>c) plants can be classified based on a variety of characteristics.</p>	<p>ATE: uInvestigate Lab: What do the parts of a plant look like?, 149 Flowers and Fruits, 152 uInvestigate Lab: What do young plants look like?, 197 Plants Are Alike, 199 Plants Are Different, 200</p> <p>CT: Realize™ Digital Resources: Living Things >Lesson 4, Where Plants and Animals Live>Interactivity: Land and Water Environments Parents and Offspring >Lesson 2, Observe Parents and Young>Interactivity: Alike and Different: Living Things</p>

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1.5 The student will investigate and understand that animals, including humans, have basic life needs that allow them to survive. Key ideas include	
a) animals need air, food, water, shelter, and space (habitat);	<p>ATE: Jumpstart Discovery!, 168 Investigate Lab: What happens to a water plant out of water?, 169 Environments, 170 Land and Water Environments, 172-173 Animal Needs, 208</p> <p>CT: Realize™ Digital Resources: Living Things Lesson 4, Where Plants and Animals Live>Interactivity: Land and Water Environments</p>

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<p>b) animals have different physical characteristics that perform specific functions; and</p>	<p>ATE: ulInvestigate Lab: How do whiskers help a cat?, 155 How Animals Move, 156 Body Coverings and Ways of Breathing, 157 Animals' Senses and Responses, 158 Quest Check-In" Different Shapes, Different Uses, 159 Land and Water Environments, 172-173</p> <p>CT: Realize™ Digital Resources: Living Things Lesson 2, Animal Parts>Video: Animal Parts;>Interactivity: Animal Parts Lesson 4, Where Plants and Animals Live>Video: Where Plants and Animals Live</p>
<p>c) animals can be classified based on a variety of characteristics.</p>	<p>ATE: How Animals Move, 156 Body Coverings and Ways of Breathing, 157 Quest Check-In Lab: How are the life cycles alike and different?, 194-195 Animals Are Alike, 201 Quest Check-In: Alike and Different, 203</p> <p>CT: Realize™ Digital Resources: Living Things Lesson 4, Where Plants and Animals Live>Video: Where Plants and Animals Live Parents and Offspring Lesson 2, Observe Parents and Young>Interactivity: Alike and Different: Living Things</p>

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<p>1.6 The student will investigate and understand that there is a relationship between the sun and Earth. Key ideas include</p>	
<p>a) the sun is the source of energy and light that warms the Earth's land, air, and water; and</p>	<p>ATE: The Sun, Our Star, 83 Temperature, 119 Quest Check-In: Hot and Cold, 122 Daily Weather Changes, 128 Sunlight and Seasons, 129</p> <p>CT: Realize™ Digital Resources: Sky and Earth >Lesson 1, Observe the Sky>Interactivity: The Day Sky Weather and Seasons >Lesson 2, Weather Changes and Seasons>Video: Weather Changes and Seasons</p>

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b) the sun's relative position changes in the Earth's sky throughout the day.

ATE:

uInvestigate Lab: How can you observe sun patterns?, 87
Earth Spins, 88
Sunrise, Sunset, 89
Quest Findings: Sky Watchers, 102
uDemonstrate Lab: How do shadows change?, 108-109

CT:

Realize™ Digital Resources:

Sky and Earth

>Lesson 2, Patterns in the Sky>Video: Patterns in the Sky

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1.7 The student will investigate and understand that there are weather and seasonal changes. Key ideas include	
changes in temperature, light, and precipitation occur over time;	<p>ATE: Weather, 118 Temperature, 119 Rain and Snow, 120 Quest Check-In: Hot and Cold, 122 Daily Weather Changes, 128 uDemonstrate Lab: How does weather change in a week?, 140-141</p> <p>CT: Realize™ Digital Resources: Weather and Seasons >Lesson 1, Types of Weather>Video: Types of Weather;>Interactivity: Tools for Measuring the Weather</p>

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<p>there are relationships between daily weather and the season; and</p>	<p>ATE: <ul style="list-style-type: none"> Investigate Lab: How does the sun causes seasons?, 95 Seasons, 96-97 Sunlight and Seasons, 129 Seasonal Weather Changes, 130-131 Quest Check-In Lab: How does the season affect the amount of daylight?, 132-133 </p> <p>CT: Realize™ Digital Resources: Weather and Seasons >Lesson 2, Weather Changes and Seasons>Video: Weather Changes and Seasons;>Interactivity: The Four Seasons</p>
<p>changes in temperature, light, and precipitation affect plants and animals, including humans.</p>	<p>ATE: <ul style="list-style-type: none"> Quest Kickoff: Plan a Trip!, 112-113 Extreme Science: Winter Storm Jonas, 123 Jumpstart Discovery!, 126 Seasonal Weather Changes, 130-131 Quest Findings: Plan a trip! 134 Quest Check-In Lab: How do snowshoe hares stay safe?, 174-175 </p> <p>CT: Realize™ Digital Resources: Weather and Seasons >Lesson 2, Weather Changes and Seasons>Video: Weather Changes and Seasons;>Interactivity: The Four Seasons</p>

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1.8 The student will investigate and understand that natural resources can be used responsibly. Key ideas include	
a) most natural resources are limited;	<p>For supporting content, please see: ATE: Environments, 170 Land and Water Environments, 172-173 Animal Needs, 208</p> <p>Please see <i>Elevate Science</i> Kindergarten, Topic 6: Environments, Lesson 4: People Can Protect the Environment</p> <p>CT: Realize™ Digital Resources: Living Things >Lesson 4, Where Plants and Animals Live>Video: Where Plants and Animals Live</p>

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<p>b) human actions can affect the availability of natural resources; and</p>	<p>For supporting content, please see: ATE: Environments, 170 Land and Water Environments, 172-173 Animal Needs, 208</p> <p>Please see <i>Elevate Science</i> Kindergarten, Topic 6: Environments, Lesson 3: People Change the Environment</p> <p>CT: Realize™ Digital Resources: Living Things Lesson 4, Where Plants and Animals Live>Interactivity: Land and Water Environments</p>
<p>c) reducing, reusing, and recycling are ways to conserve natural resources.</p>	<p>Please see <i>Elevate Science</i>, Kindergarten, Topic 6: Environments, Lesson 4: People Can Protect the Environment.</p>