

**A Correlation of**  
**Elevate Science**  
**Grade 2, ©2019**



**To the**  
**Virginia Standards of Learning for Science 2018**  
**Grade 2**

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Publisher: Savvas Learning Company, LLC

Text: Elevate Science, Grade 2

Copyright date: 2019

<b>2018 Grade Two Science Standards of Learning</b>	
<b>STANDARD</b>	<b>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.)</b>
2.2 The student will investigate and understand that different types of forces may cause an object’s motion to change. Key ideas include	
a) forces from direct contact can cause an object to move;	For supporting content, please see: <b>ATE:</b> Earthquakes, 121 Earth Movement and Mountains, 126  Please see <i>Elevate Science</i> Grade 3, Topic 1: Motion and Forces, Lesson 3: Forces and Motion.  <b>CT:</b> <b>Realize™ Digital Resources:</b> <b>Earth’s Processes</b> Lesson 2, Earth Changes Slowly>Video: Earth Changes Slowly
b) some forces, including gravity and magnetism, can cause objects to move from a distance; and	Please see <i>Elevate Science</i> Grade 3, Topic 1: Motion and Forces, Lesson 3: Forces and Motion; and Topic 2: Electricity and Magnetism, Lesson 2: Magnetic Forces.
c) forces have applications in our lives.	Please see <i>Elevate Science</i> Grade 3: Topic 1, Motion and Forces, Lesson 1: Motion, Lesson 2: Patterns in Motion, and Lesson 3: Forces and Motion.

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2.3 The student will investigate and understand that matter can exist in different phases. Key ideas include	
a) matter has mass and takes up space;	<p><b>ATE:</b> Matter Everywhere, 8 Describe Matter, 10 Investigate Lab: Which package fits the blocks, 21</p> <p><b>CT:</b> <b>Realize™ Digital Resources:</b> <b>Properties of Matter</b> &gt;Lesson 1, Describe Matter&gt;Video: Describe Matter</p>
b) solids, liquids, and gases have different characteristics; and	<p><b>ATE:</b> Types of Matter, 9 Describe Matter, 10 Investigate Lab: Which package fits the blocks, 21 Shapes of Liquids and Gases, 28 States of Matter, 29 Measure Liquids, 30</p> <p><b>CT:</b> <b>Realize™ Digital Resources:</b> <b>Properties of Matter</b> &gt;Lesson 1, Describe Matter&gt;Interactivity: Explore Solids, Liquids and Gases &gt;Lesson 4, Use Liquids and Gases&gt;Interactivity: Experiment with Solids, Liquids and Gases</p>

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c) heating and cooling can change the phases of matter.

**ATE:**

Literacy Toolbox, 10

Jumpstart Discovery!, 54

uInvestigate Lab: How does heating and cooling change matter?, 55

Heating and Cooling, 57

Reversible or Not, 58

Evidence-Based Assessment, 72-73

**CT:**

**Realize™ Digital Resources:**

**Changing Matter**

Lesson 2, Temperature and Matter>Video: Temperature and

Matter;>Interactivity: Turn Up the Heat and Chill

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2.4 The student will investigate and understand that plants and animals undergo a series of orderly changes as they grow and develop. Key ideas include	
a) animals have life cycles; and	<p><b>ATE:</b> Jumpstart Discovery!, 154 Butterfly Life Cycle, 158-159 Animal Life Cycles, 160 Evidence-Based Assessment, 186-187</p> <p><b>CT:</b> <b>Realize™ Digital Resources:</b> <b>Plants and Animals</b> &gt;Lesson 1, Animal and Plant Life Cycles&gt;Video: Animal and Plant Life Cycles;&gt;Interactivity: Life Cycles;&gt;Quiz: Plants &amp; Animals</p>
b) plants have life cycles.	<p><b>ATE:</b> Investigate Lab: What is inside: a seed or a bulb, 155 Plant Life Cycles, 157 Quest Check-In: Cycles of Life, 161 Pollen Can Travel, 177 Quest Check-In Lab: What is pollination? 178-179</p> <p><b>CT:</b> <b>Realize™ Digital Resources:</b> <b>Plants and Animals</b> &gt;Lesson 1, Animal and Plant Life Cycles&gt;Video: Animal and Plant Life Cycles;&gt;Interactivity: Life Cycles;&gt;Quiz: Plants &amp; Animals &gt;Lesson 4, Animals Can Help Plants Reproduce&gt;Video: Animals Can Help Plants Reproduce</p>

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2.5 The student will investigate and understand that living things are part of a system. Key ideas include	
a) plants and animals are interdependent with their living and nonliving surroundings;	<p><b>ATE:</b>  <ul style="list-style-type: none"> <li>ulInvestigate Lab: What do plants need to grow?, 163</li> <li>What Plants Need, 164</li> <li>ulInvestigate Lab: What do animals need?, 169</li> <li>Animals Need Things to Grow, 170</li> <li>ulInvestigate Lab: How can you model how animals spread seeds?, 175</li> <li>Pollen Can Travel, 177</li> </ul> </p> <p><b>CT:</b>  <b>Realize™ Digital Resources:</b>  <b>Plants and Animals</b>            &gt;Lesson 2, Plant Needs&gt;Video: Plant Needs            &gt;Lesson 3, Animal Needs&gt;Interactivity: Find Out What Animals Need            &gt;Lesson 4, Animals Can Help Plants Reproduce&gt;Interactivity: How Seeds and Pollen are Dispersed</p>

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<p>b) an animal’s habitat provides all of its basic needs; and</p>	<p><b>ATE:</b>  uConnect Lab: What is out there?, 194  uInvestigate Lab: Who live in a grassland?, 197  Habitats, 198  Living Things and Their Habitats, 199  Quest Check-In Lab: Which habitat is best?, 200-201  uEngineer It!: Plan a Habitat on Mars!, 202-203  Quest Check-In: Why Some Animals Live in Water, 216</p> <p><b>CT:</b>  <b>Realize™ Digital Resources:</b>  <b>Habitats</b>  &gt;Lesson 1, Identify Habitats&gt;Video: Identify Habitats</p>
<p>c) habitats change over time due to many influences.</p>	<p>For supporting content, please see:</p> <p><b>ATE:</b>  Forests, 206  Wetlands, 215</p> <p>Please see <i>Elevate Science</i> Grade 3, Topic 6: Adaptations and Survival, Lesson 3: Survival When Environments Change</p> <p><b>CT:</b>  <b>Realize™ Digital Resources:</b>  <b>Habitats</b>  &gt;Lesson 1, Identify Habitats&gt;Video: Identify Habitats</p>

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2.6 The student will investigate and understand that there are different types of weather on Earth. Key ideas include	
a) different types of weather have specific characteristics;	Please see <i>Elevate Science</i> Grade 3, Topic 3: Weather, Lesson 1: Water and Weather and Lesson 2: Seasonal Weather Changes.
b) measuring, recording, and interpreting weather data allows for identification of weather patterns; and	Please see <i>Elevate Science</i> Grade 3, Topic 3: Weather, Lesson 2: Seasonal Weather Changes.
c) tracking weather allows us to prepare for the weather and storms.	Please see <i>Elevate Science</i> Grade 3, Topic 3: Weather, Lesson 3: Weather Hazards.



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2.7 The student will investigate and understand that weather patterns and seasonal changes affect plants, animals, and their surroundings. Key ideas include	
a) weather and seasonal changes affect the growth and behavior of living things;	<b>ATE:</b> Please see <i>Elevate Science</i> Grade 3, Topic 6: Adaptations and Survival, Lesson 3: Survival When Environments Change.
b) wind and weather can change the land; and	<b>ATE:</b> Floods and Landslides, 122 Quest Check-In: Prevent Floods, 123 Erosion and Deposition, 127 uInvestigate Lab: How do plants protect fields from wind? 131 Stop Wind and Water, 134 Quest Check-In Lab: How can you protect a coastal town from erosion?, 136 uEngineer It!: Stop Wind Erosion, 138-139  <b>CT:</b> <b>Realize™ Digital Resources:</b> <b>Earth's Processes</b> >Lesson 1, Earth Changes Quickly>Interactivity: Quick Changes on Earth

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<p>c) changes can happen quickly or slowly over time.</p>	<p><b>ATE:</b> Volcanoes, 120 Earthquakes, 121 Floods and Landslides, 122 Investigate Lab; How do Mountains Change?, 125 Earth Movement and Mountains, 126 Erosion and Deposition, 127</p> <p><b>CT:</b> <b>Realize™ Digital Resources:</b> <b>Earth's Processes</b> &gt;Lesson 1, Earth Changes Quickly&gt;Interactivity: Quick Changes on Earth &gt;Lesson 2, Earth Changes Slowly&gt;Interactivity: Slow Changes on Earth</p>
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2.8 The student will investigate and understand that plants are important natural resources. Key ideas include	
a) the availability of plant products affects the development of a geographic area;	For supporting content, please see: <b>ATE:</b> uConnect Lab: What is out there? 194 Quest Findings: Protect a Habitat, 218
b) plants provide oxygen, homes, and food for many animals; and	<b>ATE:</b> Plants and Animals, 156 Plant Parts, 165 uInvestigate Lab: What do animals yet?, 169 Animals Need Things to Grow, 170 Seeds Can Travel, 176 uDemonstrate Lab: How does a plant make oxygen?, 188-189 uInvestigate Lab: Who lives in a grassland?, 197  <b>CT:</b> <b>Realize™ Digital Resources:</b> <b>Plants and Animals</b> >Lesson 3, Animal Needs>Video: Animal Needs

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c) plants can help reduce the impact of wind and water.	<b>ATE:</b> Investigate Lab: How do plants protect fields from wind?, 131 Visual Literacy, 134-135  <b>CT:</b> <b>Realize™ Digital Resources:</b> <b>Earth's Processes</b> >Lesson 3, People Can Change Earth>Video: People Can Change Earth
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