

A Correlation of

# **Elevate Science**

## **Kindergarten, ©2019**



To the

# **Arizona Science Standards (2018)**

## **Kindergarten**

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**Introduction**

The following document demonstrates how the ***Elevate Science, ©2019*** program supports Arizona Standards for Science (adopted in 2018). For each standard, correlation references are to the Student Edition and Teacher Edition where applicable.

***Elevate Science*** is a comprehensive K-5 science program that focuses on active, student-centered learning. It builds students' critical thinking, questioning, and collaboration skills, and fuels interest in STEM and creative problem solving while supporting literacy development for elementary-age learners. Developed to support Next Generation Science Standards (NGSS), ***Elevate Science*** integrates three-dimensional learning of the Scientific and Engineering Practices, Crosscutting Concepts (CCC), and Disciplinary Core Ideas (DCIs).

The ***Elevate Science*** blended print and digital curriculum engages students in phenomena-based inquiry and hands-on investigations.

- Problem-based learning Quests put students on a journey of discovery
- Engineering-focused features infuse STEM learning
- Coding and innovation engage students and build 21<sup>st</sup> century skills

The Teacher's Edition of ***Elevate Science*** helps elementary educators teach science with confidence: Scaffolding, ELD, differentiated instruction, and an instructional organization based upon the 5E learning model, (Engage, Explore, Explain, Extend/Elaborate, Evaluate), provide all the support needed for successful teaching practices. Professional development offers point-of-use support. A full-view approach to inquiry and testing provides new options for a variety of hands-on labs and assessments for three-dimensional learning.

***Elevate Science*** prepares students for the challenges of tomorrow, building strong reasoning skills and critical thinking strategies as they engage in explorations, formulate claims, and gather and analyze data that promote evidence-based argument. Designed for today's classroom, preparing students for tomorrow's world. ***Elevate Science*** promises to:

- Elevate thinking.
- Elevate learning.
- Elevate teaching.

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<b>Arizona Science Standards (2018) Kindergarten</b>	<b>Elevate Science Kindergarten ©2019</b>
<b>Kindergarten: Focus on Patterns; Structure and Function</b>	
<b>Physical Sciences: Students explore how their senses can detect light, sound, and vibration and how technology can be used to extend their senses.</b>	
Physical Science Standards	
K.P2U1.1 Investigate how senses can detect light, sound, and vibrations even when they come from far away; use the collected evidence to develop and support an explanation.	<p><b>SE/TE:</b> Topic 2 The Five Senses, 44-45</p> <p>This standard is addressed in <i>Elevate Science</i> Grade 1. See Topic 1, Lesson 1: Describe Sound; Lesson 2: Make Sound; Lesson 3: Uses of Sound; Topic 2, Lesson 1 Observe Light; Lesson 2 Light and Matter; Lesson 3 Uses of Light.</p>
K.P2U2.2 Design and evaluate a tool that helps people extend their senses.	<p><b>SE/TE:</b> Topic 2 uInvestigate Lab: How does it feel?, 43 Topic 2 Structure and Function, 46 Topic 2 Quest Check-In: How can our senses tell us about structure and function?, 47 Topic 2 uInvestigate Lab: What can you observe about water?, 57 Topic 2 uEngineer It! Improve STEM: Up and Away!, 63-64</p> <p><b>TE Only:</b> Topic 2 Focus on Mastery!: Understanding Structure and Function, 46</p>

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<b>Arizona Science Standards (2018) Kindergarten</b>	<b>Elevate Science Kindergarten ©2019</b>
<b>Earth and Space Sciences: Students develop an understanding of patterns to understand changes in local weather, seasonal cycles, and daylight.</b>	
<b>Earth and Space Standards</b>	
<p>K.E1U1.3 Observe, record, and ask questions about temperature, precipitation, and other weather data to identify patterns or changes in local weather.</p>	<p><b>SE/TE:</b>  Topic 4 uConnect Lab: How does the weather change during the day?, 106  Topic 4 Jumpstart Discovery!, 108  Topic 4 uInvestigate Lab: How can you make it rain?, 109  Topic 4 Temperature, 110  Topic 4 Sunny and Not Sunny, 111  Topic 4 Interactivity, 111  Topic 4 Wind, 112  Topic 4 Crosscutting Concepts Toolbox: Patterns, 118  Topic 4 Quest Check-In: Predict the Weather, 121  Topic 4 Assessment: The Essential Question, 138  Topic 4 uDemonstrate Lab: What is the weather like?, 142-143</p> <p><b>TE Only:</b>  Topic 4 Integrate Your Instruction: Science, 102D  Topic 4 Focus on Mastery!: Collecting Data, 113  Topic 4 Focus on Mastery!: Interpreting Data, 120</p>

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<p>K.E1U1.4 Observe, describe, ask questions, and predict seasonal weather patterns; and how those patterns impact plants and animals (including humans).</p>	<p><b>SE/TE:</b>  Topic 4 Interactivity, 111  Topic 4 Quest Connection, 111  Topic 4 Lesson 2: Weather Patterns, 116-121  Topic 4 Sun or Rain, 118  Topic 4 Hot or Cold, 119  Topic 4 Interactivity, 119  Topic 4 Quest Connection, 119  Topic 4 Quest Check-In: Predict the Weather, 121  Topic 4 uInvestigate Lab: What is the weather like in different seasons?, 123  Topic 4 Different Seasons, 124-125  Topic 4 Quest Connection, 125  Topic 4 Quest Check-In: Seasonal Changes, 126  Topic 4 Hurricanes, 131  Topic 4 Be Prepared, 132  Topic 4 uDemonstrate Lab: What is the weather like?, 142-143  Topic 5 uInvestigate Lab: What should you wear?, 165  Topic 5 People Need Clothes and Shelter, 167</p> <p><b>TE Only:</b>  Topic 4 Focus on Mastery!: Conducting Research, 132  Topic 4 21<sup>st</sup> Century Skills: Predicting the Weather, 133</p>
<p>K.E2U1.5 Observe and ask questions about patterns of the motion of the sun, moon, and stars in the sky.</p>	<p><b>SE/TE:</b>  Topic 3 The Sun and Earth, 80-81  Topic 3 Interactivity, 81</p> <p>This standard is also addressed in <i>Elevate Science</i> Grade 1, Topic 3, Lesson 2: Patterns in the Sky; Lesson 3: Daylight Changes and Seasons.</p>

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<b>Arizona Science Standards (2018) Kindergarten</b>	<b>Elevate Science Kindergarten ©2019</b>
<b>Life Sciences: Students develop an understanding that the world is comprised of living and non-living things. They investigate the relationship between structure and function in living things; plants and animals use specialized parts to help them meet their needs and survive.</b>	
<b>Life Science Standards</b>	
K.L1U1.6 Obtain, evaluate, and communicate information about how organisms use different body parts for survival.	<b>SE/TE:</b> Topic 5 uInvestigate Lab: How do plants get water?, 151 Topic 5 Plants Need Sunlight, 153 Topic 5 uInvestigate Lab: Which feet do the best job?, 157 Topic 5 Animals Need Air, 161 Topic 5 People are Animals: Identify, 166 Topic 5 Extreme Science: Hold It In!, 169 Topic 5 Assessment: Essential Question, 180
K.L1U1.7 Observe, ask questions, and explain how specialized structures found on a variety of plants and animals (including humans) help them sense and respond to their environment.	<b>SE/TE:</b> Topic 2 The Five Senses, 44-45 Topic 2 Interactivity, 45 Topic 2 Structure and Function, 46 Topic 5 Jumpstart Discovery!, 150 Topic 5 uInvestigate Lab: How do plants get water?, 151 Topic 5 Animals Need Air, 161 Topic 5 People are Animals: Identify, 166 Topic 5 Assessment: Essential Question, 180 <b>TE Only:</b> Topic 5 Differentiated Instruction: Support Advanced Learners 159
K.L2U1.8 Observe, ask questions, and explain the differences between the characteristics of living and non-living things.	<b>SE/TE:</b> Topic 5 Quest Kickoff: Let's Build a Park, 146-147 Topic 5 Quest Check-In: Caring for Plants at the Park, 155 Topic 5 Quest Findings: Let's Build a Park!, 178  <b>TE Only:</b> Topic 5 Focus on Mastery!: Identifying Patterns, 161