

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 21st 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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Arizona Science Standards (2018) Kindergarten	Elevate Science Kindergarten ©2019
Kindergarten: Focus on Patterns; Structure and Function	
Physical Sciences: Students explore how their senses can detect light, sound, and vibration and how technology can be used to extend their senses.	
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>SE/TE: 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>SE/TE: uInvestigate Lab: How does it feel?, 43 Structure and Function, 46 Quest Check-In: How can our senses tell us about structure and function?, 47 uInvestigate Lab: What can you observe about water?, 57 uEngineer It! Improve STEM: Up and Away!, 63-64</p> <p>TE Only: Focus on Mastery!: Understanding Structure and Function, 46</p>
Earth and Space Sciences: Students develop an understanding of patterns to understand changes in local weather, seasonal cycles, and daylight.	
Earth and Space Standards	
K.E1U1.3 Observe, record, and ask questions about temperature, precipitation, and other weather data to identify patterns or changes in local weather.	<p>SE/TE: uConnect Lab: How does the weather change during the day?, 106 Jumpstart Discovery!, 108 uInvestigate Lab: How can you make it rain?, 109 Temperature, 110 Sunny and Not Sunny, 111 Interactivity, 111 Wind, 112 Crosscutting Concepts Toolbox: Patterns, 118 Quest Check-In: Predict the Weather, 121 Assessment: The Essential Question, 138 uDemonstrate Lab: What is the weather like?, 142-143</p> <p>TE Only: Integrate Your Instruction: Science, 102D Focus on Mastery!: Collecting Data, 113 Focus on Mastery!: Interpreting Data, 120</p>

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K.E1U1.4 Observe, describe, ask questions, and predict seasonal weather patterns; and how those patterns impact plants and animals (including humans).	<p>SE/TE: Interactivity, 111 Quest Connection, 111 Lesson 2: Weather Patterns, 116-121 Sun or Rain, 118 Hot or Cold, 119 Interactivity, 119 Quest Connection, 119 Quest Check-In: Predict the Weather, 121 uInvestigate Lab: What is the weather like in different seasons?, 123 Different Seasons, 124-125 Quest Connection, 125 Quest Check-In: Seasonal Changes, 126 Hurricanes, 131 Be Prepared, 132 uDemonstrate Lab: What is the weather like?, 142-143 uInvestigate Lab: What should you wear?, 165 People Need Clothes and Shelter, 167</p> <p>TE Only: Focus on Mastery!: Conducting Research, 132 21st Century Skills: Predicting the Weather, 133</p>
K.E2U1.5 Observe and ask questions about patterns of the motion of the sun, moon, and stars in the sky.	<p>SE/TE: The Sun and Earth, 80-81 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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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.	
Life Science Standards	
K.L1U1.6 Obtain, evaluate, and communicate information about how organisms use different body parts for survival.	SE/TE: ulInvestigate Lab: How do plants get water?, 151 Plants Need Sunlight, 153 ulInvestigate Lab: Which feet do the best job?, 157 Animals Need Air, 161 People are Animals: Identify, 166 Extreme Science: Hold It In!, 169 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.	SE/TE: The Five Senses, 44-45 Interactivity, 45 Structure and Function, 46 Jumpstart Discovery!, 150 ulInvestigate Lab: How do plants get water?, 151 Animals Need Air, 161 People are Animals: Identify, 166 Assessment: Essential Question, 180 TE Only: 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.	SE/TE: Quest Kickoff: Let's Build a Park, 146-147 Quest Check-In: Caring for Plants at the Park, 155 Quest Findings: Let's Build a Park!, 178 TE Only: Focus on Mastery!: Identifying Patterns, 161

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