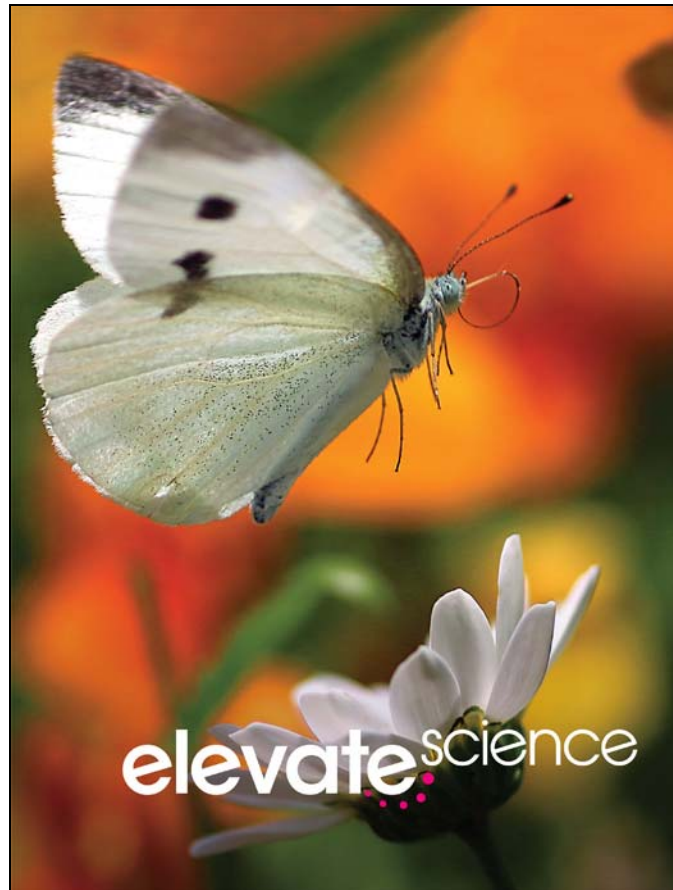


A Correlation of
Elevate Science
Grade 2, ©2019



To the
**Nebraska College and Career Ready
Standards for Science
Grade 2**

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to the
Nebraska College and Career Ready Standards for Science, Grade 2**

Introduction

The following document demonstrates how the ***Elevate Science, ©2019*** program supports the Nebraska College and Career Ready Standards for Science, Grade 2. 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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Nebraska College and Career Ready Standards for Science, Grade 2		Elevate Science, ©2019
SC.2.3	Structure and Properties of Matter	
SC.2.3.1	Gather, analyze, and communicate evidence of the structure, properties, and interactions of matter.	
SC.2.3.1.A	Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.	SE/TE: uConnect Lab: Which object is bigger?, 4 Jumpstart Discovery!, 6 uInvestigate Lab: What is different?, 7 Matter Everywhere, 8 Test Properties, 18 Quest Check-In: Observe, Measure, Test?, 19 uInvestigate Lab: Which package fits the blocks?, 21 uDemonstrate Lab: What makes something sink or float?, 40-41
SC.2.3.1.B	Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.	SE/TE: Quest Check-In: Build with Solids, Liquids, and Gases, 11 uInvestigate Lab: What can beavers teach engineers?, 15 Quest Check-In Observe, Measure, Test, 19 Uses Solids, 22 Quest Check-In: How do you use shapes when building?, 24-25 Quest Connection, 28 Quest Check-In: Liquid and Gas Toys, 32 Quest Findings: Toy Building Kit, 34 Quest Kickoff: Building Bridges, 44-45 Quest Check-In: How does temperature change matter over time?, 59 Quest Findings: Building Bridges, 68
SC.2.3.1.C	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.	SE/TE: Quest Findings!: Save the Town, 140 uDemonstrate Lab: How can you compare different solutions?, 146-147

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SC.2.3.1.D	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object.	SE/TE: uDemonstrate Lab: How can you make something new?, 74-75
SC.2.3.1.E	Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.	SE/TE: uInvestigate Lab: How can you change objects?, 49 Matter Can Change In Many Ways, 52 Quest Check-In: Matter Can Change, 53 uInvestigate Lab: How does heating and cooling change matter?, 55 Heating and Cooling, 57 Reversible or Not, 58 Topic Assessment, 70-71
SC.2.7	Interdependent Relationships in Ecosystems	
SC.2.7.2	Gather, analyze, and communicate evidence of interdependent relationships in ecosystems.	
SC.2.7.2.A	Plan and conduct an investigation to determine if plants need sunlight and water to grow.	SE/TE: Jumpstart Discovery!, 162 uInvestigate Lab: What do plants need to grow?, 163 What Plants Need, 164 Evidence-Based Assessment, 186-187 uDemonstrate Lab: How does a plant make oxygen?, 188-189
SC.2.7.2.B	Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.	SE/TE: uInvestigate Lab: How can You Model How Animals Spread Seeds, 175 Quest Check-In Lab: Pollination, 178-179 uEngineer It!: Here's the Buzz, 180-181

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SC.2.7.2.C	Make observations of plants and animals to compare the diversity of life in different habitats.	<p>SE/TE: uConnect Lab: What is out there?, 194 Jumpstart Discovery!, 196 uInvestigate Lab: Who lives in a grassland?, 197 Habitats, 198 Living Things and Their Habitats, 199 Quest Connection, 199 Quest Check-In: Which habitat is best?, 200-201 uInvestigate Lab: What do land plants need?, 205 Quest Check-In: Habitat Diversity, 209 uInvestigate Lab: How do plants survive in water?, 211 Rivers and Streams, 214 Wetlands, 215 Quest Check-In: Why Some Animals Live in Water, 216 Topic Assessment, 220-221 uDemonstrate Lab: How can you compare diversity in two habitats?, 224-225</p>

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SC.2.13	Earth's Systems: Processes That Shape the Earth	
SC.2.13.3	Gather, analyze, and communicate evidence of the processes that shape the earth.	
SC.2.13.3.A	Use information from several sources to provide evidence that Earth events can occur quickly or slowly.	SE/TE: uInvestigate Lab: How do volcanoes change Earth?, 119 Volcanoes, 120 uInvestigate Lab: How do mountains change?, 125 Earth Movement and Mountains, 126 Erosion and Deposition, 127 STEM Quest Check-In Lab: How does the ocean affect a coastal town?, 128
SC.2.13.3.B	Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land.	SE/TE: uConnect Lab: Which solution is better?, 116 Jumpstart Discovery!, 130 uInvestigate Lab: How do plants protect fields from wind?, 131 Stop Wind and Water, 134-135 Quest Check-In Lab: How can you protect a coastal town from erosion?, 136-137 uEngineer It!: Stop Wind Erosion, 138-139 Quest Findings!: Save the Town, 140 uDemonstrate Lab: How can you compare different solutions?, 146-147
SC.2.13.3.C	Develop a model to represent the shapes and kinds of land and bodies of water in an area.	SE/TE: Quest Kickoff: Map Your Hike!, 78-79 uConnect Lab: What covers most of the surface of Earth?, 80 uInvestigate Lab: How can you make a map of a special place?, 83 uInvestigate Lab: Where is the best place to cross the water?, 91 Quest Check-In Lab: How far is it from here to there?, 102 Quest Findings: Map Your Hike!, 104 uDemonstrate Lab: What can we find at the playground or park?, 110-111

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SC.2.13.3.D	Obtain information to identify where water is found on Earth and that it can be solid or liquid.	SE/TE: uConnect Lab: What covers most of the surface of Earth?, 80 Jumpstart Discovery!, 90 Rivers and Streams, 92 The Ocean, 92 Glaciers, 93 Lakes and Ponds, 94 Math Toolbox: Fractions, 94 Quest Connection, 94 Quest Check in: Describe Earth's Water, 95