

A Correlation of
Elevate Science
Grade 1, ©2019



To the
**Nebraska College and Career Ready
Standards for Science
Grade 1**

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Introduction

The following document demonstrates how the ***Elevate Science, ©2019*** program supports the Nebraska College and Career Ready Standards for Science, Grade 1. 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 1		Elevate Science, ©2019
SC.1.2	Waves: Light and Sound	
SC.1.2.1	Gather, analyze, and communicate evidence of light and sound waves.	
SC.1.2.1.A	Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.	SE/TE: uConnect Lab: How can a ruler make sound?, 4 Sound, 8 uInvestigate Lab: How can you see sound?, 13 Making Sounds, 14 Quest Findings: Sending Sound Messages, 28-29
SC.1.2.1.B	Make observations to construct an evidence-based account that objects can be seen only when illuminated.	SE/TE: uConnect Lab: What do you need to see objects?, 40 Light and Darkness, 44 Quest Connection, 45 Where Light Comes From, 45 Jumpstart Discovery!, 58 Uses of Light, 62-63 Topic Assessment, 68-69 Evidence-Based Assessment, 70-71
SC.1.2.1.C	Plan and conduct an investigation to determine the effect of placing objects made with different materials in the path of a beam of light.	SE/TE: Quest Kickoff: Help Send a Message, 38-39 uInvestigate Lab: What happens when an object blocks light?, 43 Shadows, 46 Jumpstart Discovery!, 48 uInvestigate Lab: How do materials affect light?, 49 Blocked Light, 50 Light Goes Through, 51 Light Bounces Off, 52 Materials That Reflect, 53 uInvestigate Lab: How can you use light to see?, 59

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SC.1.2.1.D	Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance.	<p>SE/TE: Quest Kickoff: Sending Sound Messages, 2-3 Quest Check-In Lab: How can instruments talk?, 18-19 uInvestigate Lab: What does that sound say?, 21 Quest Check-In Lab: How can an instrument send a secret?, 25 uEngineer It!: Alert! Alert!, 26-27 Quest Findings: Sending Sound Messages, 28 Quest Kickoff: Help Send a Message, 38-39 Quest Check-In: Give off Light, 47 Quest Connection, 53 Quest Check-In: Materials for a Light Signal, 54 Communciate with Light, 61 Quest Check-In Lab: How can you send secret messages?, 64-65 Quest Findings: Help Send a Message, 66</p>
SE = Student Edition		TE = Teacher's Edition

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SC.1.6	Structure, Function, and Information Processing	
SC.1.6.2	Gather, analyze, and communicate evidence to show the relationship between structure and function in living things.	
SC.1.6.2.A	Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.	SE/TE: uEngineer It!: Design a Tool, 160-161 Quest Findings: Nature Copycats, 176
SC.1.6.2.B	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.	SE/TE: uInvestigate Lab: What do the parts of a plant look like?, 149 uInvestigate Lab: How do whiskers help a cat?, 155 uEngineer It!: Design a Tool, 160-161 uDemonstrate Lab: How do the spines of catci help them?, 182-183 uInvestigate Lab: How do nests protect eggs?, 207
SC.1.6.2.C	Read texts and use media to determine patterns in a behavior of parents and offspring that help offspring survive.	SE/TE: Literacy Connection: Main Idea and Details, 189 uInvestigate Lab: How do nests protect eggs?, 207 Parents Help Young, 209 Parents Protect Young, 210-211 Connecting Concepts Toolbox: Patterns, 211 Parents Teach Young, 212 Young Stay Close and Make Sounds, 213 Quest Check-In: Parents Help Young Learn, 214

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SC.1.6.2.D	Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents.	SE/TE: Quest Kickoff: Find the Parents, 186-187 uConnect Lab: Which mouse is longer?, 188 Life Cycle of an Animal, 193 Quest Connection, 193 uInvestigate Lab: What do young plants look like?, 197 Alike and Different, 198 Plants Are Alike, 199 Quest Connection, 201 Animals Are Alike, 201 Quest Check-In: Alike and Different, 203 Quest Findings: Find the Parents, 216 Evidence-Based Assessment, 220-221 uDemonstrate Lab: How do living things change as they grow?, 222-223
SC.1.11	Space Systems: Patterns and Cycles	
SC.1.11.3	Gather, analyze, and communicate evidence of patterns and cycles of space systems.	
SC.1.11.3.A	Use observations of the sun, moon, and stars to describe patterns that can be predicted.	SE/TE: Quest Kickoff: Sky Watchers, 76-77 Jumpstart Discovery!, 80 Star Light, Star Bright, 82 Quest Check-In: Stars in the Sky, 85 Jumpstart Discovery!, 86 uInvestigate Lab: How can you observe sun patterns?, 87 Sunrise, Sunset, 89 Moon Motions and Phases, 90 STEM Math Connection: Use a Calendar, 93 Quest Check-In Lab: How can you model the motions of the Earth?, 98-99 Quest Findings: Sky Watchers, 102
SC.1.11.3.B	Make observations at different times of the year to relate the amount of daylight to the time of year.	SE/TE: Quest Connection, 96 Topic Assessment, 104-105 Sunlight and Seasons, 129 Quest Check-In Lab: How does the season affect the amount of daylight?, 132-133 Topic Assessment, 136-137