

A Correlation of

**South Carolina Elevate Science
Grade 2, ©2023**



To the

**South Carolina College- and Career-Ready
Science Standards 2021
Grade 2**

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

Introduction

The following document demonstrates how the **South Carolina Elevate Science ©2023** program supports the South Carolina College- and Career-Ready Science Standards 2021. Correlation references include the Student Edition, Teacher Edition, and online Realize™ digital resources.

South Carolina 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), **South Carolina Elevate Science** integrates three-dimensional learning of the Scientific and Engineering Practices (SEP), Crosscutting Concepts (CCC), and Disciplinary Core Ideas (DCIs).

The **South Carolina 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 **South Carolina 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.

South Carolina 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. **South Carolina Elevate Science** promises to:

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

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

Table of Contents

Matter and Its Interactions (PS1)	4
Ecosystems: Interactions, Energy, and Dynamics (LS2)	12
Biological Evolution: Unity and Diversity (LS4)	16
Earth’s Place in the Universe (ESS1)	19
Earth’s Systems (ESS2)	22
Earth and Human Activity (ESS3)	31

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Matter and Its Interactions (PS1)	
Performance Expectation	
2-PS1-1: Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.	<p>SE/TE: ulnvestigate Lab: What is different?, 7 ulnvestigate Lab: Which package fits the blocks?, 21 ulnvestigate Lab: How can you make a bigger bubble?, 27 uDemonstrate Lab: What makes something sink or float?, 40-41 Quest Kickoff: Building Bridges, 44-45 ulnvestigate Lab: How can you change objects?, 49 Quest Findings: Building Bridges, 68</p> <p>Realize™ Digital Resources: Changing Matter >Topic Launch>Quest Kickoff>Video: Building Bridges >Topic Close>Quest Findings>Interactivity: Building Bridges</p>
Disciplinary Core Ideas	
PS1.A: Structure and Properties of Matter	
Different kinds of matter exist and many of them can be either solid or liquid, depending on temperature. Matter can be described and classified by its observable properties.	<p>SE/TE: Jumpstart Discovery!, 6 ulnvestigate Lab: What is different?, 7 Matter Everywhere, 8 Types of Matter, 9 Describe Matter, 10 Quest Check-In: Build with Solids, Liquids, and Gases, 11 Jumpstart Discovery!, 14 Measure Properties, 16 Observe Matter, 17 Test Properties, 18 Quest Check-In: Observe, Measure, Test, 19 ulnvestigate Lab: Which package fits the blocks?, 21 Uses of Solids, 22 Everyday Solids, 23 Jumpstart Discovery!, 26 ulnvestigate Lab: How can you make a bigger bubble?, 27 Shapes of Liquids and Gases, 28 States of Matter, 29 Measure Liquids, 30 Everyday Uses of Liquids and Gases, 31 Quest Check-In: Liquid and Gas Toys, 32</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

<p align="center">South Carolina College- and Career-Ready Science Standards 2021, Grade 2</p>	<p align="center">South Carolina Elevate Science, ©2023 Grade 2</p>
<p>Continued: Different kinds of matter exist and many of them can be either solid or liquid, depending on temperature. Matter can be described and classified by its observable properties.</p>	<p>Continued: Topic Assessment, 36-37 Evidence-Based Assessment, 38-39 uDemonstrate Lab: What makes something sink or float?, 40-41 Topic 2 Opener: Changing Matter, 42-43 Quest Kickoff: Building Bridges, 44-45 Jumpstart Discovery!, 48 uInvestigate Lab: How can you change objects?, 49 Matter Can Change, 50 Quest Connection, 50 You Can Change Matter, 51 Matter Changes in Many Ways, 52 Quest Check-In: Matter Can Change, 53</p> <p>Realize™ Digital Resources: Properties of Matter >Lesson 1, Describe Matter>Video: Describe Matter;>Interactivity: Explore Solids, Liquids, and Gases >Lesson 2, Properties of Matter>Video: Properties of Matter;>Interactivity: Observe Properties of Matter >Lesson 3, Use Solids>Video: Use Solids;>Interactivity: The Most Useful Tool for a Job >Lesson 4, Use Liquids and Gases>Video: Use Liquids and Gases;>Interactivity: Experiment with Solids, Liquids, and Gases Changing Matter >Topic Launch>Quest Kickoff>Video: Building Bridges >Lesson 1, Observe Changes in Matter>Video: Observe Changes in Matter;>Interactivity: Time for a Change >Topic Close>Quest Findings>Interactivity: Building Bridges</p>
<p>Science and Engineering Practices</p>	
<p>Planning and Carrying Out Investigations Plan and conduct an investigation collaboratively to produce data to serve as the basis for evidence to answer a question.</p>	<p>SE/TE: uInvestigate Lab: What is different?, 7 uInvestigate Lab: Which package fits the blocks?, 21 uInvestigate Lab: How can you make a bigger bubble?, 27 uDemonstrate Lab: What makes something sink or float?, 40-41 uInvestigate Lab: How can you change objects?, 49</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Crosscutting Concepts	
Patterns Patterns in the natural and human designed world can be observed.	SE/TE: Crosscutting Concepts Toolbox: Patterns, 17
Performance Expectation	
2-PS1-2: Analyze data obtained from tests to determine which materials have the best properties for an intended purpose.	SE/TE: Build with Solids, Liquids, and Gases, 11 ulnvestigate Lab: What can beavers teach engineers?, 15 Uses Solids, 22 Quest Check-In: How do you use shapes when building?, 24-25 ulnvestigate Lab: How can you make a bigger bubble?, 27 Quest Findings: Toy Building Kit, 34 STEM Quest Check-In Lab: What materials make a bridge strong?, 65 uEngineer It!: Improve a Sipping Cup!, 66-67 Quest Findings: Building Bridges, 68 Realize™ Digital Resources: Properties of Matter >Topic Launch>Quest Kickoff>Video: Toy Building Kit >Topic Close>Quest Findings>Interactivity: Toy Building Kit

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Disciplinary Core Ideas	
PS1.A: Structure and Properties of Matter	
Different properties are suited to different purposes.	<p>SE/TE: Build with Solids, Liquids, and Gases, 11 Test Properties, 18 Quest Check-In: Observe, Measure, Test, 19 Jumpstart Discovery!, 20 Uses of Solids, 22 Everyday Solids, 23 STEM Quest Check-In Lab: How do you use shapes when building?, 24-25 Jumpstart Discovery!, 26 ulnvestigate Lab: How can you make a bigger bubble?, 27 Shapes of Liquids and Gases, 28 Everyday Uses of Liquids and Gases, 31 Quest Check-In: Liquid and Gas Toys, 32 Quest Kickoff: Building Bridges, 44-45 Quest Connection, 50 Quest Connection, 57 Quest Check-In: How does temperature change matter over time?, 59</p> <p>Realize™ Digital Resources: Properties of Matter >Lesson 2, Properties of Matter>Interactivity: Observe Properties of Matter >Lesson 3, Use Solids>Interactivity: The Most Useful Tool for a Job >Lesson 4, Use Liquids and Gases>Interactivity: Experiment with Solids, Liquids, and Gases >Topic Close>Quest Findings>Interactivity: Toy Building Kit</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Science and Engineering Practices	
<p>Analyzing and Interpreting Data Analyze data from tests of an object or tool to determine if it works as intended.</p>	<p>SE/TE: Build with Solids, Liquids, and Gases, 11 uEngineer It!: Design a Nutcracker, 12-13 STEM ulnvestigate Lab: What can beavers teach engineers?, 15 ulnvestigate: Which package fits the blocks?, 21 STEM Quest Check-In Lab: How do you use shapes when building?, 24-25 Quest Check-In: Liquid and Gas Toys, 32 Quest Findings: Toy Building Kit, 34 uDemonstrate Lab: What makes something sink or float?, 40-41 STEM Quest Check-In Lab: What materials make a bridge strong?, 64 Quest Findings: Building Bridges, 68</p> <p>Realize™ Digital Resources: Properties of Matter >uEngineer It!: Design a Nutcracker>Video: Design a Nutcracker >Lesson 3, Use Solids>Interactivity: The Most Useful Tool for a Job</p>
Crosscutting Concepts	
<p>Cause and Effect Simple tests can be designed to gather evidence to support or refute student ideas about causes.</p>	<p>SE/TE: Cause and Effect, 5 Reading Check: Cause and Effect, 10 STEM ulnvestigate Lab: What can beavers teach engineers?, 15 Reading Check: Cause and Effect, 18 ulnvestigate: Which package fits the blocks?, 21 Reading Check: Cause and Effect, 22 STEM Quest Check-In Lab, 24-25 ulnvestigate Lab: How can you make a bigger bubble?, 27 Reading Check: Cause and Effect, 28</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Performance Expectation	
<p>2-PS1-3: 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.</p>	<p>SE/TE: Quest Kickoff: Building Bridges, 44-45 uConnect Lab: How can you use all of the materials?, 46 STEM ulnvestigate Lab: What can you build?, 61 STEM Quest Check-In Lab: What materials make a bridge strong?, 64 Quest Findings: Building Bridges, 68 Topic Assessment, 70-71 uDemonstrate Lab: How can you make something new?, 74-75</p> <p>Realize™ Digital Resources: Changing Matter >Topic Launch>Quest Kickoff>Video: Building Bridges >Lesson 3, Matter Within Objects>Video: Matter Within Objects;>Interactivity: Choices Matter >Topic Close>Quest Findings>Interactivity: Building Bridges</p>
Disciplinary Core Ideas	
PS1.A: Structure and Properties of Matter	
<p>Different properties are suited to different purposes. A great variety of objects can be built up from a small set of pieces.</p>	<p>SE/TE: Quest Kickoff: Building Bridges, 44-45 uConnect Lab: How can you use all of the materials?, 46 Jumpstart Discovery!, 60 STEM ulnvestigate Lab: What can you build?, 61 Objects Can Be Assembled from Other Objects, 62-63 STEM Quest Check-In Lab: What materials make a bridge strong?, 64 Quest Findings: Building Bridges, 68 Topic Assessment, 70-71 uDemonstrate Lab: How can you make something new?, 74-75</p> <p>Realize™ Digital Resources: Changing Matter >Topic Launch>Quest Kickoff>Video: Building Bridges >Lesson 3, Matter Within Objects>Video: Matter Within Objects;>Interactivity: Choices Matter >Topic Close>Quest Findings>Interactivity: Building Bridges</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Science and Engineering Practices	
Constructing Explanations and Designing Solutions Make observations (firsthand or from media) to construct an evidence-based account for natural phenomena.	SE/TE: uConnect Lab: How can you use all of the materials?, 46 STEM ulnvestigate Lab: What can you build?, 61 STEM Quest Check-In Lab: What materials make a bridge strong?, 64 uDemonstrate Lab: How can you make something new?, 74-75
Crosscutting Concepts	
Energy and Matter Objects may break into smaller pieces and be put together into larger pieces, or change shapes.	SE/TE: Jumpstart Discovery!, 48 ulnvestigate Lab: How can you change objects?, 49 You Can Change Matter, 51 Objects Can Be Assembled from Other Objects, 62-63 uDemonstrate Lab: How can you make something new?, 74-75
Performance Expectation	
2-PS1-4: Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.	SE/TE: Jumpstart Discovery!, 54 ulnvestigate Lab: How does heating and cooling change matter?, 55 Reversible or Not, 58 Evidence-Based Assessment, 72-73 TE only: Focus on Mastery!: Engaging in Argument with Evidence, 59 Realize™ Digital Resources: Changing Matter >Lesson 2, Temperature and Matter>Interactivity: Turn Up the Heat and Chill Out

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Disciplinary Core Ideas	
PS1.B: Chemical Reactions	
Heating or cooling a substance may cause changes that can be observed. Sometimes these changes are reversible, and sometimes they are not.	<p>SE/TE: Jumpstart Discovery!, 54 Investigate Lab: How does heating and cooling change matter?, 55 Temperature, 56 Heating and Cooling, 57 Reversible or Not, 58 Quest Check-In: How does temperature change matter over time?, 59 Topic Assessment, 70-71 Evidence-Based Assessment, 72-73</p> <p>Realize™ Digital Resources: Changing Matter >Lesson 2, Temperature and Matter>Interactivity: Turn Up the Heat and Chill Out</p>
Science and Engineering Practices	
<p>Engaging in Argument from Evidence Construct an argument with evidence to support a claim.</p>	<p>SE/TE: Investigate Lab: How does heating and cooling change matter?, 55</p> <p>TE only: Focus on Mastery!: Engaging in Argument with Evidence, 59</p>
Crosscutting Concepts	
<p>Cause and Effect Events have causes that generate observable patterns.</p>	<p>SE/TE: Investigate Lab: How does heating and cooling change matter?, 55 Heating and Cooling, 59</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Ecosystems: Interactions, Energy, and Dynamics (LS2)	
Performance Expectation	
2-LS2-1: Plan and conduct an investigation to determine what plants need to grow.	<p>SE/TE: Quest Kickoff: Help Save the Giant Flower, 150-151 ulnvestigate Lab: What do plants need to grow?, 163 Quest Check-In Lab: How can you see the parts of a plant work?, 166-167 Quest Findings: Help Save the Giant Flower, 182 uDemonstrate Lab: How does a plant make oxygen?, 188-189</p> <p>Realize™ Digital Resources: Plants and Animals >Topic Launch>Quest Kickoff>Video: Help Save the Giant Flower >Lesson 2> Plant Needs>Video: Plant Needs;>Interactivity: How Plant Parts Help Plants >Topic Close> Quest Findings>Interactivity: Help Save the Giant Flower</p>
Disciplinary Core Ideas	
LS2.A: Interdependent Relationships in Ecosystems	
Plants depend on air, water, minerals (in the soil), and light to grow. Different plants survive better in different settings because they have varied needs for water, minerals, and sunlight.	<p>SE/TE: Quest Kickoff: Help Save the Giant Flower, 150-151 Jumpstart Discovery!, 162 ulnvestigate Lab: What do plants need to grow?, 163 What Plants Need, 164 Plant Parts, 165 Quest Check-In Lab: How can you see the parts of a plant work?, 166-167 Quest Findings: Help Save the Giant Flower, 182 uDemonstrate Lab: How does a plant make oxygen?, 188-189</p> <p>Realize™ Digital Resources: Plants and Animals >Topic Launch>Quest Kickoff>Video: Help Save the Giant Flower >Lesson 2> Plant Needs>Video: Plant Needs;>Interactivity: How Plant Parts Help Plants >Topic Close> Quest Findings>Interactivity: Help Save the Giant Flower</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Science and Engineering Practices	
<p>Planning and Carrying Out Investigations Plan and conduct an investigation collaboratively to produce data to serve as the basis for evidence to answer a question.</p>	<p>SE/TE: uInvestigate Lab: What do plants need to grow?, 163 uDemonstrate Lab: How does a plant make oxygen?, 188-189</p>
Crosscutting Concepts	
<p>Cause and Effect Events have causes that generate observable patterns.</p>	<p>SE/TE: uInvestigate Lab, What do plants need to grow?, 163 What Plants Need, 164 Quest Check-In Lab: How can you see the parts of a plant work?, 166-167 uDemonstrate Lab: How does a plant make oxygen?, 188-189</p> <p>Realize™ Digital Resources: Plants and Animals >Lesson 2> Plant Needs>Video: Plant Needs;>Interactivity: How Plant Parts Help Plants</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Performance Expectation	
2-LS2-2: Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.	<p>SE/TE: Quest Kickoff: Help Save the Giant Flower, 150-151 uInvestigate Lab: How can you model how animals spread seeds?, 175 Quest Check-In Lab: What is pollination?, 178-179 uEngineer It!: Here's the Buzz, 180-181 Quest Findings: Help Save the Giant Flower, 182</p> <p>Realize™ Digital Resources: Plants and Animals >Topic Launch>Quest Kickoff>Video: Help Save the Giant Flower >Lesson 4, Animals Can Help Plants Reproduce>Interactivity: How Seeds and Pollen Are Dispersed >Topic Close> Quest Findings>Interactivity: Help Save the Giant Flower</p>
Disciplinary Core Ideas	
LS2.A: Interdependent Relationships in Ecosystems	
Plants depend on animals for pollination or to move their seeds around.	<p>SE/TE: Quest Kickoff: Help Save the Giant Flower, 150-151 Jumpstart Discovery!, 174 Seeds Can Travel, 176 Pollen Can Travel, 177 Quest Check-In Lab: What is pollination?, 178-179 uEngineer It!: Here's the Buzz, 180-181</p> <p>Realize™ Digital Resources: Plants and Animals >Lesson 4, Animals Can Help Plants Reproduce>Interactivity: How Seeds and Pollen Are Dispersed</p>
ETS1.B: Developing Possible Solutions	
Designs can be conveyed through sketches, drawings, or physical models. These representations are useful in communicating ideas for a problem's solutions to other people.	<p>SE/TE: uEngineer It!: Here's the Buzz, 180-181</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Science and Engineering Practices	
Developing and Using Models Develop a simple model based on evidence to represent a proposed object or tool.	SE/TE: uInvestigate Lab: What do animals need?, 169 uInvestigate Lab: How can you model how animals spread seeds?, 175 STEM uEngineer It!: Here's the Buzz, 180-181 uDemonstrate Lab: How does a plant make oxygen?, 188-189
Crosscutting Concepts	
Structure and Function The shape and stability of structures of natural and designed objects are related to their function(s).	SE/TE: uInvestigate Lab: How can you model how animals spread seeds?, 175 Seeds Can Travel, 176 Pollen Can Travel, 177 Quest Check-In Lab: What is pollination?, 178-179 uDemonstrate Lab: How does a plant make oxygen?, 188-189 Realize™ Digital Resources: Plants and Animals >Lesson 3>Animal Needs>Interactivity: Find Out What Animals Need >Lesson 4, Animals Can Help Plants Reproduce >Interactivity: How Seeds and Pollen Are Dispersed

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Biological Evolution: Unity and Diversity (LS4)	
Performance Expectation	
<p>2-LS4-1: Make observations of plants and animals to compare patterns of diversity within different habitats.</p>	<p>SE/TE: uConnect Lab: How are plants and animals alike and different?, 152 ulInvestigate Lab: What is inside a seed or bulb?, 155 Visual Literacy: Butterfly Life Cycle, 158-159 Quest Kickoff: Protect a Habitat, 192-193 uConnect Lab: What is out there?, 194 ulInvestigate Lab: Who lives in a grassland?, 197 Habitats, 198 Quest Connection, 199 Quest Check-In: Which habitat is best?, 200-201 Jumpstart Discovery!, 204 ulInvestigate Lab: What do land plants need?, 205 Quest Check-In: Habitat Diversity, 209 Jumpstart Discovery!, 210 ulInvestigate Lab: How do plants survive in water?, 211 Visual Literacy: The Ocean, 212-213 Quest Check-In: Why Some Animals Live in Water, 216 Quest Findings: Protect a Habitat, 218 uDemonstrate Lab: How can you compare diversity in two habitats?, 224-225</p> <p>Realize™ Digital Resources: Habitats >Topic Launch>Quest Kickoff>Video: Protect a Habitat >Lesson 1, Identify Habitats>Video: Identify Habitats;>Interactivity: Your Home Is Your Habitat >Lesson 2, Living Things in Land Habitats>Video: Living Things in Land Habitats;>Interactivity: Compare Land Habitats >Lesson 3, Explore Water Habitats>Video: Explore Water Habitats;>Interactivity: Explore Water Habitats >Topic Close>Quest Findings>Interactivity: Protect a Habitat</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Disciplinary Core Ideas	
LS4.D: Biodiversity and Humans	
<p>There are many different kinds of living things in any area, and they exist in different places on land and in water.</p>	<p>SE/TE: The Essential Question, 191 Quest Kickoff: Protect a Habitat, 192-193 uConnect Lab: What is out there?, 194 Jumpstart Discovery!, 196 ulnvestigate Lab: Who lives 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 Jumpstart Discovery!, 204 ulnvestigate Lab: What do land plants need?, 205 Forests, Deserts, Tundra, 206-207 Grasslands, 208 Quest Check-In: Habitat Diversity, 209 Jumpstart Discovery!, 210 ulnvestigate Lab: How do plants survive in water?, 211 The Ocean, 212-213 Rivers and Streams, 214 Wetlands, 215 Quest Check-In: Why Some Animals Live in Water, 216 Quest Findings: Protect a Habitat, 218 Topic Assessment, 220-221 Evidence-Based Assessment, 222-223 uDemonstrate Lab: How can you compare diversity in two habitats?, 224-225</p> <p>Realize™ Digital Resources: Habitats >Topic Launch>Quest Kickoff>Video: Protect a Habitat >Lesson 1, Identify Habitats>Video: Identify Habitats;>Interactivity: Your Home Is Your Habitat >uEngineer It!>Video: Plan a Habitat on Mars >Lesson 2, Living Things in Land Habitats>Video: Living Things in Land Habitats;>Interactivity: Compare Land Habitats >Lesson 3, Living Things in Water Habitats>Video: Living Things in Water Habitats;>Interactivity: Explore Water Habitats >Topic Close>Quest Findings>Interactivity: Protect a Habitat</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Science and Engineering Practices	
<p>Planning and Carrying Out Investigations Make observations (firsthand or from media) to collect data which can be used to make comparisons.</p>	<p>SE/TE: uConnect Lab: What is out there?, 194 uInvestigate Lab: Who lives in a grassland?, 197 Quest Check-In Lab: Which habitat is best?, 200-201 Science Practice Toolbox: Plan an Investigation, 207 uInvestigate Lab: How do plants survive in water?, 211 uDemonstrate Lab: How can you compare diversity in two habitats?, 224-225</p>
Crosscutting Concepts	
<p>Patterns Patterns in the natural and human designed world can be observed, used to describe phenomena, and used as evidence</p>	<p>SE/TE: uConnect Lab: How are plants and animals alike and different?, 152 Visual Literacy: Butterfly Life Cycle, 158-159 Quest Check-In: Which habitat is best?, 200-201 uDemonstrate Lab: How can you compare diversity in two habitats?, 224-225</p> <p>Realize™ Digital Resources: Habitats >Lesson 1, Identify Habitats>Video: Identify Habitats;>Interactivity: Your Home Is Your Habitat >Lesson 2, Living Things in Land Habitats>Video: Living Things in Land Habitats;>Interactivity: Compare Land Habitats >Lesson 3, Explore Water Habitats>Video: Explore Water Habitats;>Interactivity: Explore Water Habitats</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Earth's Place in the Universe (ESS1)	
Performance Expectation	
<p>2-ESS1-1: Use information from several sources to provide evidence that Earth events can occur rapidly or slowly.</p>	<p>SE/TE: Stem Quest Kickoff: Save the Town, 114-115 uInvestigate Lab: How do volcanoes change Earth?, 119 uInvestigate Lab: How do mountains change?, 125 Earth Movement and Mountains: Use Evidence, 126 Erosion and Deposition, 127 STEM Quest Check-In Lab: How does the ocean affect a coastal town?, 128 Solve it with Science, 129 STEM uInvestigate Lab: How do plants protect fields from wind?, 131 Visual Literacy: Stop Wind and Water, 134-135 STEM Quest Check-In Lab: How can you protect a coastal town from erosion?, 136-137 uEngineer It!: Stop Wind Erosion, 138-139 STEM Quest Findings: Save the Town, 140 Career Connection: Environmental Engineer, 141 STEM uDemonstrate Lab: How can you compare different solutions?, 146-147</p> <p>TE only: Possible Misconceptions, 121 Focus on Mastery!: Constructing Explanations, 133</p> <p>Realize™ Digital Resources: Earth's Processes >Topic Launch>Quest Kickoff>Video: Save the Town >Lesson 1, Earth Changes Quickly>Video: Earth Changes Quickly;>Interactivity: Quick Changes on Earth >Lesson 2, Earth Changes Slowly>Video: Earth Changes Slowly;>Interactivity: Changing Land >uEngineer It!: Stop Wind Erosion>Interactivity: Stop Wind Erosion >Topic Close>Quest Findings>Interactivity: Save the Town</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Disciplinary Core Ideas	
ESS1.C: The History of Planet Earth	
Some events happen very quickly others occur very slowly, over a time period much longer than one can observe.	<p>SE/TE: Jumpstart Discovery!, 118 ulnvestigate Lab: How do volcanoes change Earth?, 119 Volcanoes, 120 Earthquakes, 121 Floods and Landslides, 122 Jumpstart Discovery!, 124 ulnvestigate Lab: How do mountains change?, 125 Earth Movement and Mountains, 126 Erosion and Deposition, 127 Jumpstart Discovery!, 130 STEM ulnvestigate Lab: How do plants protect fields from wind?, 131 Changes to Land, 132 Changes to Water, 133 Stop Wind and Water, 134-135 STEM Quest Check-In Lab: How can you protect a coastal town from erosion?, 136-137 uEngineer It!: Stop Wind Erosion, 138-139 STEM uDemonstrate Lab: How can you compare different solutions?, 146-147</p> <p>Realize™ Digital Resources: Earth's Processes >Lesson 1, Earth Changes Quickly>Video: Earth Changes Quickly;>Interactivity: Quick Changes on Earth >Lesson 2, Earth Changes Slowly>Video: Earth Changes Slowly;>Interactivity: Changing Land >uEngineer It!: Stop Wind Erosion>Interactivity: Stop Wind Erosion >Lesson 3, People Can Change Earth>Video: People Can Change Earth;>Interactivity: How do people change Earth?</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Science and Engineering Practices	
Constructing Explanations and Designing Solutions Make observations from several sources to construct an evidence-based account for natural phenomena.	SE/TE: Jumpstart Discovery!, 118, ulnvestigate Lab: How do volcanoes change Earth?, 119 Volcanoes, 120 Earthquakes, 121 Floods and Landslides, 122 Jumpstart Discovery!, 124 ulnvestigate Lab: How do mountains change?, 125 Earth Movement and Mountains, 126 Erosion and Deposition, 127
Crosscutting Concepts	
Stability and Change Things may change slowly or rapidly.	SE/TE: Crosscutting Concepts Toolbox: Stability and Change, 127 STEM Quest Check-In Lab: How does the ocean affect a coastal town?, 128 Solve It with Science, 129

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Earth's Systems (ESS2)	
Performance Expectation	
<p>2-ESS2-1: Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land.</p>	<p>SE/TE: Quest Kickoff: Map Your Hike!, 78-79 Quest Findings: Map Your Hike, 104 STEM Quest Kickoff: Save the Town, 114-115 uConnect Lab: Which solution is better?, 116 STEM ulnvestigate Lab: How do plants protect fields from wind?, 131 Changes to Land, 132 Changes to Water, 133 Visual Literacy: Stop Wind and Water, 134-135 STEM 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</p> <p>Realize™ Digital Resources: Earth's Water and Land >Topic Launch>Quest Kickoff>Video: Map Your Hike! >Topic Close>Quest Findings>Interactivity: Map Your Hike!</p> <p>Earth's Processes >Topic Launch>Quest Kickoff>Video: Save the Town >Lesson 1, Earth Changes Quickly>Video: Earth Changes Quickly;>Interactivity: Quick Changes on Earth >Lesson 2, Earth Changes Slowly>Video: Earth Changes Slowly;>Interactivity: Changing Land >uEngineer It!: Stop Wind Erosion>Interactivity: Stop Wind Erosion >Lesson 3, People Can Change Earth>Video: People Can Change Earth;>Interactivity: How do people change Earth? >Topic Close>Quest Findings>Interactivity: Save the Town</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Disciplinary Core Ideas	
ESS2.A: Earth Materials and Systems	
Wind and water can change the shape of the land.	<p>SE/TE: Topic 4 Opener: Earth's Processes, 112-113 Quest Kickoff: Save the Town!, 114-115 Floods and Landslides, 123 uInvestigate Lab: How do mountains change?, 125 Erosion and Deposition, 127 STEM Quest Check-In Lab: How does the ocean affect a coastal town?, 128 Solve it With Science: What if slow changes to Earth stopped?, 129 STEM uInvestigate Lab: How do plants protect fields from wind?, 131 Changes to Land, 132 Changes to Water, 133 Stop Wind and Water, 134-135 STEM 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</p> <p>Realize™ Digital Resources: Earth's Processes >Topic Launch>Quest Kickoff>Video: Save the Town >Lesson 2, Earth Changes Slowly>Video: Earth Changes Slowly;>Interactivity: Changing Land >uEngineer It!: Stop Wind Erosion>Interactivity: Stop Wind Erosion >Lesson 3, People Can Change Earth>Video: People Can Change Earth;>Interactivity: How do people change Earth? >Topic Close>Quest Findings>Interactivity: Save the Town</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
ETS1.C: Optimizing the Design Solution	
<p>Because there is always more than one possible solution to a problem, it is useful to compare and test designs.</p>	<p>SE/TE: Quest Kickoff: Map Your Hike!, 78-79 uEngineer It!: Improve a Dam, 96-97 Quest Findings: Map Your Hike, 104 Quest Kickoff: Save the Town!, 114-115 Quest Check-In: Prevent Floods, 123 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</p> <p>Realize™ Digital Resources: Earth’s Water and Land >Topic Launch>Quest Kickoff>Video: Map Your Hike! >Topic Close>Quest Findings>Interactivity: Map Your Hike!</p> <p>Earth’s Processes >Topic Launch>Quest Kickoff>Video: Save the Town >Topic Close>Quest Findings>Interactivity: Save the Town</p>
ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World	
<p>Developing and using technology has impacts on the natural world.</p>	<p>SE/TE: uEngineer It!: Improve a Dam, 96-97 Changes to Land, 132 Changes to Water, 133 uEngineer It!: Stop Wind Erosion, 138-139 Career Connection: Environmental Engineer, 141</p> <p>Realize™ Digital Resources: Earth’s Processes >uEngineer It!: Stop Wind Erosion>Interactivity: Stop Wind Erosion</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Science and Engineering Practices	
<p>Constructing Explanations and Designing Solutions Compare multiple solutions to a problem.</p>	<p>SE/TE: Quest Kickoff: Map Your Hike!, 78-79 Quest Findings: Map Your Hike, 104 Quest Kickoff: Save the Town!, 114-115 uConnect Lab: Which solution is better?, 116 uEngineer It!: Stop Wind Erosion, 138-139 Quest Findings!: Save the Town, 140 uDemonstrate Lab: How can you compare different solutions?, 146-147</p> <p>Realize™ Digital Resources: Earth’s Water and Land >Topic Launch>Quest Kickoff>Video: Map Your Hike! >Topic Close>Quest Findings>Interactivity: Map Your Hike! Earth’s Processes >Topic Launch>Quest Kickoff>Video: Save the Town >Topic Close>Quest Findings>Interactivity: Save the Town</p>
Crosscutting Concepts	
<p>Stability and Change Things may change slowly or rapidly.</p>	<p>SE/TE: Quest Kickoff: Save the Town!, 114-115 Stop Wind and Water, 134-135 STEM Quest Check-In Lab: How can you protect a coastal town from erosion?, 136-137 Quest Findings!: Save the Town, 140 STEM uDemonstrate Lab: How can you compare different solutions?, 146-147</p> <p>Realize™ Digital Resources: Earth’s Processes >Topic Launch>Quest Kickoff>Video: Save the Town >Topic Close>Quest Findings>Interactivity: Save the Town</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Performance Expectation	
<p>2-ESS2-2: Develop a model to represent the shapes and kinds of land and bodies of water in an area.</p>	<p>SE/TE: Quest Kickoff: Map Your Hike!, 78-79 Jumpstart Discovery!, 82 ulnvestigate Lab: How can you make a map of a special place?, 83 Quest Check-In Lab: How can you model landforms?, 88-89 ulnvestigate Lab: Where is the best place to cross the water?, 91 ulnvestigate Lab: Why do mapmakers use different maps?, 99 Understand a Map, 100-101 Quest Check-In Lab: How far is it from here to there?, 102 Quest Findings: Map Your Hike!, 104 Topic Assessment, 106-107 uDemonstrate Lab: What can we find at the playground or park?, 110-111</p> <p>Realize™ Digital Resources: Earth's Water and Land >Topic Launch>Quest Kickoff>Video: Map Your Hike! >Lesson 1, Describe Earth's Surface>Interactivity: What is that landform? >Lesson 2, Water on Earth>Interactivity: Water, Water Everywhere >Lesson 3, Map Land and Water>Interactivity: Map and Go >Topic Close>Quest Findings>Interactivity: Map Your Hike!</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Disciplinary Core Ideas	
ESS2.B: Plate Tectonics and Large-Scale System Interactions	
<p>Maps show where things are located. One can map the shapes and kinds of land and water in any area.</p>	<p>SE/TE: Quest Kickoff: Map Your Hike!, 78-79 ulnvestigate Lab: How can you make a map of a special place?, 83 Quest Check-In Lab: How can you model landforms?, 88-89 ulnvestigate Lab: Where is the best place to cross the water?, 91 ulnvestigate Lab: Why do map makers use different maps?, 99 Understand a Map, 100 Quest Check-In Lab: How far is it from here to there?, 102 Quest Findings: Map Your Hike!, 104 Career Connection: Map Maker, 105 uDemonstrate Lab: What can we find at the playground or park?, 110-111</p> <p>Realize™ Digital Resources: Earth's Water and Land >Topic Launch>Quest Kickoff>Video: Map Your Hike! >Lesson 3, Map Land and Water>Interactivity: Map and Go >Topic Close>Quest Findings>Interactivity: Map Your Hike!</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Science and Engineering Practices	
Developing and Using Models Develop a model to represent patterns in the natural world.	SE/TE: Quest Kickoff: Map Your Hike!, 78-79 ulnvestigate Lab: How can you make a map of a special place?, 83 Quest Check-In Lab: How can you model landforms?, 88-89 ulnvestigate Lab: Where is the best place to cross the water?, 91 uEngineer It!: Improve a Dam, 96-97 ulnvestigate Lab: Why do map makers use different maps?, 99 Understand a Map, 100 Quest Check-In Lab: How far is it from here to there?, 102 Quest Findings: Map Your Hike!, 104 Career Connection: Map Maker, 105 uDemonstrate Lab: What can we find at the playground or park?, 110-111 Realize™ Digital Resources: Earth's Water and Land >Topic Launch>Quest Kickoff>Video: Map Your Hike! uEngineer It!>Interactivity: Fix the Dam! >Lesson 3, Map Land and Water>Interactivity: Map and Go >Topic Close>Quest Findings>Interactivity: Map Your Hike!
Crosscutting Concepts	
Patterns Patterns in the natural world can be observed.	SE/TE: The Ocean, 92 uEngineer It!: Improve a Dam, 96-97 Realize™ Digital Resources: Earth's Water and Land >Lesson 2, Water on Earth>Video: Water on Earth;>Interactivity: Water, Water Everywhere uEngineer It!>Interactivity: Fix the Dam!

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Performance Expectation	
2-ESS2-3: Obtain information to identify where water is found on Earth and that it can be solid or liquid.	<p>SE/TE: Quest Kickoff: Map Your Hike!, 78-79 uConnect Lab: What covers most of the surface of the Earth?, 80 The Ocean, 92 Glaciers, 93 Lakes and Ponds, 94 Quest Check-In: Describe Earth's Water, 95 Quest Findings: Map Your Hike!, 104</p> <p>Realize™ Digital Resources: Earth's Water and Land >Topic Launch>Quest Kickoff>Video: Map Your Hike! >Lesson 2, Water on Earth>Video: Water on Earth;>Interactivity: Water, Water Everywhere >Topic Close>Quest Findings>Interactivity: Map Your Hike!</p>
Disciplinary Core Ideas	
ESS2.C: The Roles of Water in Earth's Surface Processes	
Water is found in the ocean, rivers, lakes, and ponds. Water exists as solid ice and in liquid form.	<p>SE/TE: Quest Kickoff: Map Your Hike!, 78-79 uConnect Lab: What covers most of the surface of the Earth?, 80 The Ocean, 92 Glaciers, 93 Lakes and Ponds, 94 Quest Check-In: Describe Earth's Water, 95 Quest Findings: Map Your Hike!, 104</p> <p>Realize™ Digital Resources: Earth's Water and Land >Topic Launch>Quest Kickoff>Video: Map Your Hike! >Lesson 2, Water on Earth>Video: Water on Earth;>Interactivity: Water, Water Everywhere >Topic Close>Quest Findings>Interactivity: Map Your Hike!</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Science and Engineering Practices	
<p>Obtaining, Evaluating, and Communicating Information Obtain information using various texts, text features (e.g., headings, tables of contents, glossaries, electronic menus, icons), and other media that will be useful in answering a scientific question.</p>	<p>SE/TE: uConnect Lab: What covers most of the surface of Earth?, 80 Literacy Connection: Picture Clues, 81 uInvestigate Lab: Where is the best place to cross the water?, 91 uEngineer It!: Improve a Dam, 96-97 Quest Check-In Lab: How far is it from here to there?, 102 Quest Findings: Map Your Hike!, 104</p>
Crosscutting Concepts	
<p>System and System Models Objects and organisms can be described in terms of their parts. Systems in the natural and designed world have parts that work together.</p>	<p>SE/TE: uInvestigate Lab: Where is the best place to cross the water?, 91 uEngineer It!: Improve a Dam, 96-97</p> <p>Realize™ Digital Resources: Earth's Water and Land >Lesson 2, Water on Earth>Video: Water on Earth;>Interactivity: Water, Water Everywhere uEngineer It!>Interactivity: Fix the Dam!</p>

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
Earth and Human Activity (ESS3)	
Performance Expectation	
2-ESS3-1: Design solutions to address human impacts on natural resources in the local environment.	SE/TE: uEngineer It!: Improve a Dam, 96-97 STEM uConnect Lab: Which solution is better?, 116 STEM uInvestigate Lab: How do plants protect fields from wind?, 131 STEM Quest Check-In Lab: How can you protect a coastal town from erosion?, 136-137 uEngineer It!: Stop Wind Erosion, 138-139 STEM uDemonstrate Lab: How can you compare different solutions?, 146-147 uEngineer It!: Here’s the Buzz, 180-181 Quest Check-In Lab: Which habitat is best?, 200-201
Disciplinary Core Ideas	
ESS3.C: Human Impacts on Earth System	
Things that people do to live can affect the world around them. But they can make choices that reduce their impacts on the land, water, air, and other living things.	SE/TE: uEngineer It!: Improve a Dam, 96-97 Jumpstart Discovery!, 130 STEM uInvestigate Lab: How do plants protect fields from wind?, 131 Changes to Land, 132 Changes to Water, 133 Stop Wind and Water, 134 STEM Quest Check-In: How can you protect the town from coastal erosion?, 136-137 Quest Findings!: Save the Town, 140 Evidence Based-Assessment, 144-145 STEM uDemonstrate Lab: How can you compare different solutions?, 146-147 Quest Kickoff: Protect a Habitat, 192-193 Quest Check-In Lab: Which habitat is best?, 200-201 TE Only: Freshwater, 92 Realize™ Digital Resources: Earth’s Processes >Topic Launch>Quest Kickoff>Video: Save the Town >Lesson 2, Water on Earth>Video: Water on Earth;>Interactivity: Water, Water Everywhere uEngineer It!>Interactivity: Fix the Dam! >Topic Close>Quest Findings>Interactivity: Save the Town

**A Correlation of South Carolina Elevate Science, Grade 2, ©2023 to the
South Carolina College- and Career-Ready Science Standards 2021
Grade 2**

South Carolina College- and Career-Ready Science Standards 2021, Grade 2	South Carolina Elevate Science, ©2023 Grade 2
ETS1.B: Developing Possible Solutions	
Designs can be conveyed through sketches, drawings, or physical models. These representations are useful in communicating ideas for a problem's solutions to other people.	SE/TE: uEngineer It!: Improve a Dam, 96-97 STEM uInvestigate Lab: How do plants protect fields from wind?, 131 Changes to Land, 132 Changes to Water, 133 STEM Quest Check-In: How can you protect the town from coastal erosion?, 136-137 Quest Findings!: Save the Town, 140 Evidence Based-Assessment, 144-145 STEM uDemonstrate Lab: How can you compare different solutions?, 146-147 Quest Kickoff: Protect a Habitat, 192-193 Quest Check-In Lab: Which habitat is best?, 200-201
ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World	
Every human-made product is designed by applying some knowledge of the natural world and is built using materials derived from the natural world. Thus, developing and using technology has impacts on the natural world.	SE/TE: uEngineer It!: Improve a Dam, 96-97 STEM Quest Check-In: How can you protect the town from coastal erosion?, 136-137 Quest Findings!: Save the Town, 140
Science and Engineering Practices	
Constructing Explanations and Designing Solutions Use tools and/or materials to design and/or build a device that solves a specific problem or a solution to a specific problem.	SE/TE: uEngineer It!: Stop Wind Erosion, 138-139 uEngineer It!: Here's the Buzz, 180-181
Crosscutting Concepts	
Cause and Effect Events have causes that generate observable patterns.	SE/TE: uEngineer It!: Improve a Dam, 96-97 STEM uInvestigate Lab: How do plants protect fields from wind?, 131 Changes to Land, 132 Changes to Water, 133 STEM uDemonstrate Lab: How can you compare different solutions?, 146-147

©2021 Savvas Learning Company LLC