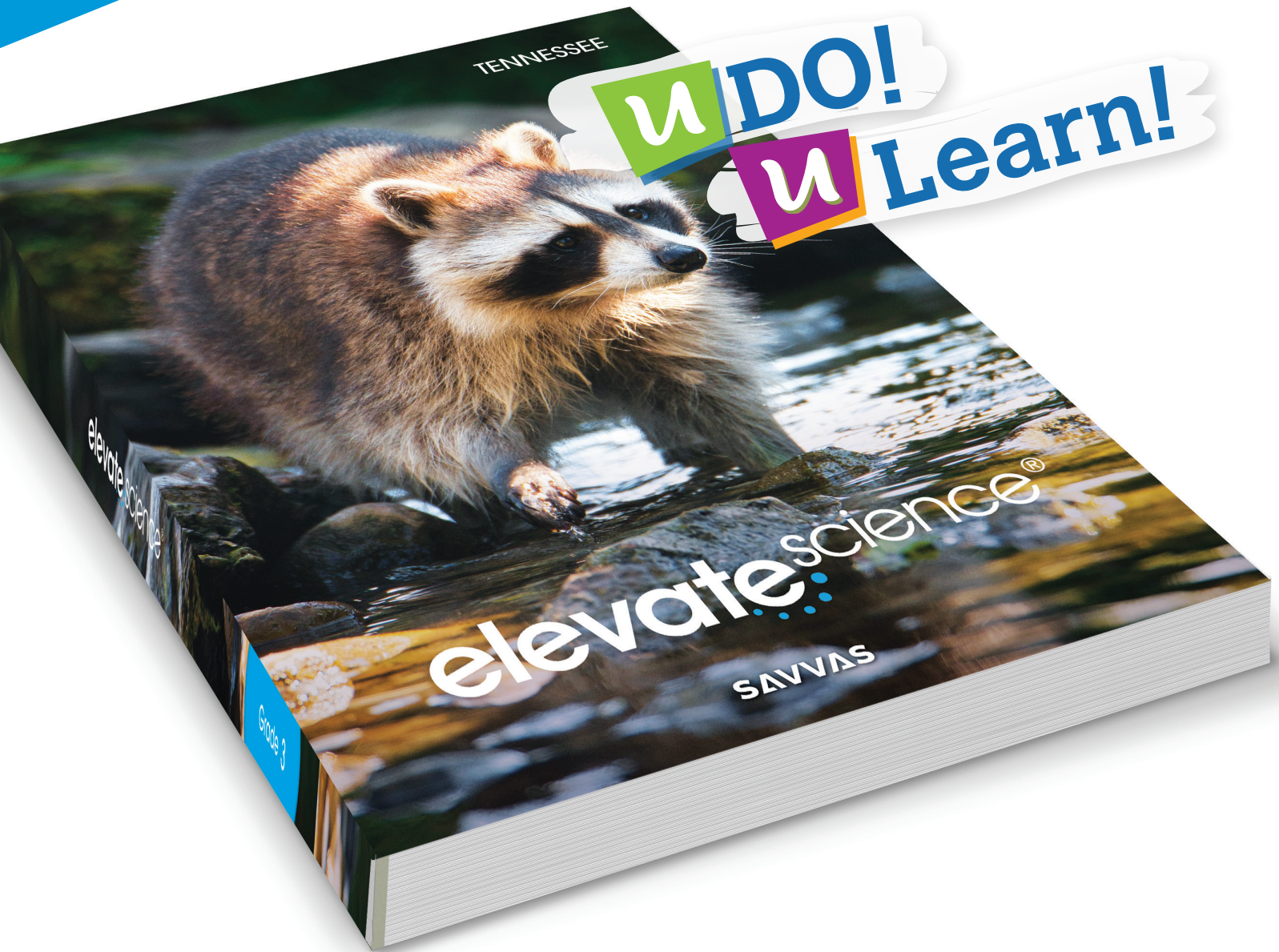


# SAVVAS

TENNESSEE  
CKLA CORRELATION



CORRELATIONS TO HELP YOU USE *ELEVATE SCIENCE* WITH CKLA

# elevate<sup>science</sup>

Dear Tennessee Educators,

Savvas Learning Company is committed to providing a complete spectrum of personalized education solutions to meet your specific needs. Written and evaluated by renowned authors and experienced educators, Savvas delivers curriculum in print, digital, and blended formats to help teachers create more moments of true understanding that lead to higher achievement in the classroom and beyond.

*Tennessee elevateScience*® actively engages students inside and outside of the classroom with innovative media, activities, and unprecedented support for all learners. The program is designed to be flexible to your teaching needs and styles as well as adaptive for the time you have to teach Science.

To show you how *Tennessee elevateScience* can be integrated into your classroom and curriculum alongside other programs and disciplines, we have created this correlation for *Tennessee elevateScience* to the CKLA program you may already be utilizing. This highlights **thematic connections** that exist between *Tennessee elevateScience* and CKLA to help you plan and build your lessons effectively and efficiently.

For more detailed product information or to learn more, please visit [Savvas.com/tennessee-science](https://www.savvas.com/tennessee-science)



*Tennessee elevateScience*® and  
CKLA Correlation

|                   |    |
|-------------------|----|
| Kindergarten..... | 4  |
| Grade 1.....      | 8  |
| Grade 2.....      | 12 |
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| Amplify<br>CKLA<br>UNIT 2 The Five Senses                                                                                                                                                                                                                                                                                                                                                                              | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                                                                                                     | Savvas Readers                                                                                                                                     |
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| <b>Lesson 1:</b> My Senses Are Amazing<br><b>Lesson 2:</b> The Sense of Sight<br><b>Lesson 3:</b> The Sense of Hearing<br><b>Lesson 4:</b> The Sense of Smell<br><b>Lesson 5:</b> The Sense of Taste<br><b>Lesson 6:</b> The Sense of Touch<br><b>Lesson 7:</b> Ray Charles<br><b>Lesson 8:</b> Helen Keller                                                                                                           | <b>Anchoring Phenomenon Powerpoint:</b> What are the differences between living and non-living things?                                                                                                                                                |                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Topic 5: Needs of Living Things</b><br><b>Lesson 1:</b> Needs of Plants<br><b>Lesson 2:</b> Needs of Animals<br><b>Lesson 3:</b> Needs of People<br><b>Lesson 4:</b> Life Cycles                                                                   | <b>Needs of Living Things</b><br>Needs of Living Things<br>All About the Needs of Living Things<br>STEM Engineering Reader: Needs of Living Things |
| CKLA<br>UNIT 4 Plants                                                                                                                                                                                                                                                                                                                                                                                                  | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                                                                                                     | Savvas Readers                                                                                                                                     |
| <b>Lesson 1:</b> Introduction to Plants<br><b>Lesson 2:</b> Plants Parts<br><b>Lesson 3:</b> The Life Cycle of a Plant<br><b>Lesson 4:</b> The Gigantic Turnip<br><b>Lesson 5:</b> Polly the Honeybee's Flower Tour<br><b>Lesson 6:</b> The Fruits of Polly's Labor<br><b>Lesson 7:</b> Johnny Appleseed<br><b>Lesson 8:</b> Deciduous Tree<br><b>Lesson 9:</b> Evergreen Trees<br><b>Lesson 10:</b> Plants and People | <b>Anchoring Phenomenon Powerpoint:</b> What are the differences between living and non-living things?                                                                                                                                                |                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Topic 5: Needs of Living Things</b><br><b>Lesson 1:</b> Needs of Plants<br><b>Lesson 2:</b> Needs of Animals<br><b>Lesson 3:</b> Needs of People<br><b>Lesson 4:</b> Life Cycles                                                                   | <b>Needs of Living Things</b><br>Needs of Living Things<br>All About the Needs of Living Things<br>STEM Engineering Reader: Needs of Living Things |
| CKLA<br>UNIT 5 Farms                                                                                                                                                                                                                                                                                                                                                                                                   | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                                                                                                     | Savvas Readers                                                                                                                                     |
| <b>Lesson 1:</b> Old MacDonald Has a Farm<br><b>Lesson 2:</b> With a Moo, Moo Here<br><b>Lesson 3:</b> And a Cluck, Cluck There<br><b>Lesson 4:</b> Here an Oink, There an Oink<br><b>Lesson 5:</b> Everywhere a Baa, Baa<br><b>Lesson 6:</b> All Kinds of Crops<br><b>Lesson 7:</b> Little Red Hen<br><b>Lesson 8:</b> The Seasons of Farming<br><b>Lesson 9:</b> From Farm to Market                                 | <b>Anchoring Phenomenon Powerpoint:</b> How can people prepare for severe weather?                                                                                                                                                                    |                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Topic 6: Environments</b><br><b>Lesson 1:</b> Where Plants and Animals Live<br><b>Lesson 2:</b> Plants and Animals Change the Environment<br><b>Lesson 3:</b> People Change the Environment<br><b>Lesson 4:</b> People Can Protect the Environment | <b>Environments</b><br>Environments<br>All About Environments<br>STEM Engineering Reader: Environments                                             |

| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                              | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TN English Language Arts Reading/Writing<br>Academic Standards                                                                                                                                                                         |
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| <b>Anchoring Phenomenon Powerpoint:</b> What are the differences between living and non-living things?                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                        |
| <b>Needs of Living Things</b><br><b>Read About It</b><br>Needs of Plants<br>Needs of Animals<br>Where Plants and Animals Live<br><b>Literacy Station Card</b><br>What do plants need to live and grow?<br>What do animals need?<br>Where do plants and animals live?<br><b>Vocabulary Cards</b><br>Need, survive, grow, space, describe, food, shelter, environment, system, model        | <b>K-LS1-1</b> Use observations to describe patterns of what plants and animals (including humans) need to survive.<br><b>K-2-ETS1-1</b> Ask questions, make observations, and gather information about a situation people want to change or define a simple problem that can be solved through the development of a new or improved object or tool.<br><b>K-2-ETS1-2</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. | <b>RI.K.1</b> With prompting and support, ask and answer about key details in a text.<br><b>RI.K.3</b> With prompting and support, describe the connection between two individuals, events, ideas, or pieces of information in a text. |
| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                              | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TN English Language Arts Reading/Writing<br>Academic Standards                                                                                                                                                                         |
| <b>Anchoring Phenomenon Powerpoint:</b> What are the differences between living and non-living things?                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                        |
| <b>Needs of Living Things</b><br><b>Read About It</b><br>Needs of Plants<br>Needs of Animals<br>Where Plants and Animals Live<br><b>Literacy Station Card</b><br>What do plants need to live and grow?<br>What do animals need?<br>Where do plants and animals live?<br><b>Vocabulary Cards</b><br>Need, survive, grow, space, describe, food, shelter, environment, system, model        | <b>K-LS1-1</b> Use observations to describe patterns of what plants and animals (including humans) need to survive.<br><b>K-2-ETS1-1</b> Ask questions, make observations, and gather information about a situation people want to change or define a simple problem that can be solved through the development of a new or improved object or tool.<br><b>K-2-ETS1-2</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. | <b>RI.K.1</b> With prompting and support, ask and answer about key details in a text.<br><b>RI.K.3</b> With prompting and support, describe the connection between two individuals, events, ideas, or pieces of information in a text. |
| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                              | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TN English Language Arts Reading/Writing<br>Academic Standards                                                                                                                                                                         |
| <b>Anchoring Phenomenon Powerpoint:</b> How can people prepare for severe weather?                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                        |
| <b>Environments</b><br><b>Read About It</b><br>Plants and Animals Change the Environment<br>People Change the Environment<br>People Can Protect the Environment<br><b>Literacy Station Card</b><br>Plants and Animals Change the Environment<br>Why do people change the environment?<br>People Protect the Environment<br><b>Vocabulary Cards</b><br>Reduce, recycle, reuse, communicate | <b>K-ESS2-2</b> Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.<br><b>K-ESS3-1</b> Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live.<br><b>K-ESS3-3</b> Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.                                            | <b>W.K.7</b> With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question.                                                                              |

| CKLA<br>UNIT 8 Seasons and Weather                                                                                                                                                                                                                                                                                                                                                         | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                                                                  | Savvas Readers                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Lesson 1:</b> What's the Weather Like?<br><b>Lesson 2:</b> Winter<br><b>Lesson 3:</b> Spring<br><b>Lesson 4:</b> Summer<br><b>Lesson 5:</b> Autumn<br><b>Lesson 6:</b> The Grasshopper and the Ants<br><b>Lesson 7:</b> Safety in Storms<br><b>Lesson 8:</b> Meteorology                                                                                                                | Topic 4: Anchoring Phenomenon Powerpoint: How do we use symbols to describe the weather?                                                                                                                           |                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                            | Topic 4: Earth's Weather<br>Lesson 1: Different Kinds of Weather<br>Lesson 2: Weather Patterns<br>Lesson 3: Seasons<br>Lesson 4: Severe Weather                                                                    | Earth's Weather<br>Earth's Weather<br>All About Earth's Weather<br>STEM Engineering Reader: Earth's Weather |
|                                                                                                                                                                                                                                                                                                                                                                                            | Topic 3: Sunlight<br>Lesson 1: The Sun<br>Lesson 2: Sunlight and the Earth's Surface                                                                                                                               | Sunlight<br>Sunlight<br>All About Sunlight<br>STEM Engineering Reader: Sunlight                             |
| CKLA<br>UNIT 11 Taking Care of the Earth                                                                                                                                                                                                                                                                                                                                                   | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                                                                  | Savvas Readers                                                                                              |
| <b>Lesson 1:</b> Introducing the Earth<br><b>Lesson 2:</b> Garbage<br><b>Lesson 3:</b> Natural Resources<br><b>Lesson 4:</b> Reduce, Reuse, Recycle<br><b>Lesson 5:</b> Recycle! Recycle! Recycle!<br><b>Lesson 6:</b> Composting<br><b>Lesson 7:</b> Pollution<br><b>Lesson 8:</b> Air Pollution<br><b>Lesson 9:</b> Will the Water Drop<br><b>Lesson 10:</b> Goodbye from Good Old Earth | Anchoring Phenomenon Powerpoint: How can people prepare for severe weather?                                                                                                                                        |                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                            | Topic 6: Environments<br>Lesson 1: Where Plants and Animals Live<br>Lesson 2: Plants and Animals Change the Environment<br>Lesson 3: People Change the Environment<br>Lesson 4: People Can Protect the Environment | Environments<br>Environments<br>All About Environments<br>STEM Engineering Reader: Environments             |

| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                                        | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | TN English Language Arts Reading/Writing<br>Academic Standards                                                                                     |
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| Topic 3: Anchoring Phenomenon Powerpoint: Why do we see rainbows?                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                    |
| Earth's Weather<br>Read About It<br>Sunlight and Earth's Surface<br>Weather Patterns<br>Severe Weather<br>Literacy Station Card<br>How Sunlight Affects Earth's Surface<br>How can you describe patterns of weather?<br>How can a forecast help me prepare?<br>Vocabulary Cards<br>sunlight, shade, problem, design, weather, change,<br>pattern, temperature, severe weather, forecast,<br>prepare | K-ESS2-1 Use and share observations of local weather conditions to describe patterns over time.<br>K-ESS3-2 Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.<br>K-2-ETS1-1 Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.<br>K-2-ETS1-2 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. | RI.K.1 With prompting and support, ask and answer questions about key details in a text.                                                           |
| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                                        | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | TN English Language Arts Reading/Writing<br>Academic Standards                                                                                     |
| Anchoring Phenomenon Powerpoint: How can people prepare for severe weather?                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                    |
| Environments<br>Read About It<br>Plants and Animals Change the Environment<br>People Change the Environment<br>People Can Protect the Environment<br>Literacy Station Card<br>Plants and Animals Change the Environment<br>Why do people change the environment?<br>People Protect the Environment<br>Vocabulary Cards<br>Reduce, recycle, reuse, communicate                                       | K-ESS2-2 Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.<br>K-ESS3-1 Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live.<br>K-ESS3-3 Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.                                                                                                                                                                        | W.K.7 With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question. |

| Amplify<br>CKLA<br>UNIT 2 The Human Body                                                                                                                                                                                                                                                                                                                                                                     | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                                                             | Savvas Readers                                                                                                                                                                  |
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| <b>Lesson 1:</b> Everybody Has A Body<br><b>Lesson 2:</b> The Body's Framework<br><b>Lesson 3:</b> Marvelous Moving Muscles<br><b>Lesson 4:</b> Chew, Swallow, Squeeze, and Chum<br><b>Lesson 5:</b> The Body's Superhighway<br><b>Lesson 6:</b> The Control Center: The Brain                                                                                                                               | Anchoring Phenomenon Powerpoint -Topic 5: How do plants respond to their environment?                                                                                                                         |                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Topic 5: Living Things</b><br><b>Lesson 1:</b> Plant Parts<br><b>Lesson 2:</b> Animal Parts<br><b>Lesson 3:</b> People Learn from Plant and Animal Parts<br><b>Lesson 4:</b> Where Plants and Animals Live | <b>Living Things</b><br>Living Things Around Us<br>Living Things<br>The World of Living Things<br>STEM Engineering Reader: Living Things                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Topic 6: Parents and Offspring</b><br><b>Lesson 1:</b> Plant and Animal Life Cycles<br><b>Lesson 2:</b> Observe Parents and Young<br><b>Lesson 3:</b> Patterns in Animal Behavior                          | <b>Parents and Offspring</b><br>Learn About Parents and Offspring<br>Parents and Offspring<br>All About Parents and Offspring<br>STEM Engineering Reader: Parents and Offspring |
| CKLA<br>UNIT 6 Astronomy                                                                                                                                                                                                                                                                                                                                                                                     | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                                                             | Savvas Readers                                                                                                                                                                  |
| <b>Lesson 1:</b> Introduction to the Sun and Space<br><b>Lesson 2:</b> The Earth and the Sun<br><b>Lesson 3:</b> Stars<br><b>Lesson 4:</b> Stargazing and Constellations<br><b>Lesson 5:</b> The Moon<br><b>Lesson 6:</b> History of Space Exploration and Astronauts<br><b>Lesson 7:</b> Exploration of the Moon<br><b>Lesson 8:</b> The Solar System, Part I<br><b>Lesson 9:</b> The Solar System, Part II | Anchoring Phenomenon Powerpoint: Why does the Moon move?                                                                                                                                                      |                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Topic 3: Sky and Earth</b><br><b>Lesson 1:</b> Observe the Sky<br><b>Lesson 2:</b> Patterns in the Sky<br><b>Lesson 3:</b> Daylight Changes and Seasons                                                    | <b>Sky and Earth</b><br>Learn About the Sky and Earth<br>Sky and Earth<br>All About the Sky and Earth<br>STEM Engineering Reader: Sky and Earth                                 |

| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TN English Language Arts Reading/Writing Academic Standards                                                                                                                                                                                                                                                                              |
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| Topic 6: How does a water lily survive?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                          |
| <b>Living Things</b><br><b>Read About It</b><br>Plant Parts and Needs<br>Plant Parents and Young<br><b>Literacy Station Card</b><br>How do plants help us solve problems?<br>How do young plants look like their parents?<br><b>Vocabulary Cards</b><br>Structure, function, leaf, stem, root, survive mimic, similar, parent<br><br><b>Parents and Offspring</b><br><b>Read About It</b><br>Animal Parts and Needs<br>Patterns of Animal Behavior<br>Animal Parents and Young<br><b>Literacy Station Card</b><br>How do animals use their senses?<br>What are patterns of animal behavior?<br>How are animals alike and different?<br><b>Vocabulary Cards</b><br>Sense, response, behavior, signal, comfort, protect, evidence | <b>1-LS1-1</b> 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.<br><b>K-2-ETS1-1</b> Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.<br><b>K-2-ETS1-2</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.<br><b>K-2-ETS1-3</b> Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs. | <b>RI.1.1</b> Ask and answer questions about key details in a text.<br><b>RI.1.10</b> With prompting and support, read informational texts appropriately complex for grade.<br><b>W.1.8</b> With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question. |
| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TN English Language Arts Reading/Writing Academic Standards                                                                                                                                                                                                                                                                              |
| Anchoring Phenomenon Powerpoint: Why does the Moon move?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                          |
| <b>Sky and Earth</b><br><b>Read About It</b><br>Observe the Sun, Moon, and Stars<br>Predict Patterns in the Sky<br>Observe Daylight Changes<br><b>Literacy Station Card</b><br>What are day and night sky patterns?<br>What patterns do you observe in the sky?<br>How does the amount of daylight change?<br><b>Vocabulary Cards</b><br>cloud, moon, pattern, star, sun, sunrise, position, sunset, data, daylight, season, summer, winter                                                                                                                                                                                                                                                                                     | <b>1-ESS1-1</b> Use observations of the sun, moon, and stars to describe patterns that can be predicted.<br><b>1-ESS1-2</b> Make observations at different times of year to relate the amount of daylight to the time of year.<br><b>K-2-ETS1-1</b> Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.<br><b>K-2-ETS1-2</b> Develop a simple sketch, drawing, or physical.                                                                                                                                                                                                                          | <b>RI.2.1</b> Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text.<br><b>W.1.8</b> With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question.                                  |

| CKLA<br>UNIT 7 The History of the Earth                                                                                                                                                                                                                                                                                                                                                                                                                         | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                          | Savvas Readers                                                                                                                           |
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| Anchoring Phenomenon Powerpoint: Why does the Moon move?                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                            |                                                                                                                                          |
| Lesson 1: Our Home, Earth<br>Lesson 2: The Earth Inside-Out, Part I<br>Lesson 3: The Earth Inside-Out, Part II<br>Lesson 4: The Earth Inside-Out, Part III                                                                                                                                                                                                                                                                                                      | Topic 3: Sky and Earth<br>Lesson 1: Observe the Sky<br>Lesson 2: Patterns in the Sky<br>Lesson 3: Daylight Changes and Seasons                                             | Sky and Earth<br>Learn About the Sky and Earth<br>Sky and Earth<br>All About the Sky and Earth<br>STEM Engineering Reader: Sky and Earth |
| CKLA<br>UNIT 8 Animals and Habitats                                                                                                                                                                                                                                                                                                                                                                                                                             | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                          | Savvas Readers                                                                                                                           |
| Anchoring Phenomenon Powerpoint: How do plants respond to their environment?                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                            |                                                                                                                                          |
| Lesson 1: What is a Habitat?<br>Lesson 2: Animals of the Arctic Habitat<br>Lesson 3: Animals of the Sonoran Desert Habitat<br>Lesson 4: Animals of the East African Savanna Habitat<br>Lesson 5: Animals of the Temperate Deciduous Forest Habitat<br>Lesson 6: Animals of the Tropical Rainforest Habitat<br>Lesson 7: Animals of the Freshwater Habitat<br>Lesson 8: Animals of the Saltwater Habitat<br>Lesson 9: Habitat Destruction and Endangered Species | Topic 5: Living Things<br>Lesson 1: Plant Parts<br>Lesson 2: Animal Parts<br>Lesson 3: People Learn from Plant and Animal Parts<br>Lesson 4: Where Plants and Animals Live | Living Things<br>Living Things Around Us<br>Living Things<br>The World of Living Things<br>STEM Engineering Reader: Living Things        |

| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                                                    | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TN English Language Arts Reading/Writing Academic Standards                                                                                                                                                                                                                                                         |
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| Anchoring Phenomenon Powerpoint: Why does the Moon move?                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                     |
| Sky and Earth<br>Read About It<br>Observe the Sun, Moon, and Stars<br>Predict Patterns in the Sky<br>Observe Daylight Changes<br>Literacy Station Card<br>What are day and night sky patterns?<br>What patterns do you observe in the sky?<br>How does the amount of daylight change?<br>Vocabulary Cards<br>cloud, moon, pattern, star, sun, sunrise, position, sunset, data, daylight, season, summer, winter | 1-ESS1-1 Use observations of the sun, moon, and stars to describe patterns that can be predicted.<br>1-ESS1-2 Make observations at different times of year to relate the amount of daylight to the time of year.<br>K-2-ETS1-1 Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.<br>K-2-ETS1-2 Develop a simple sketch, drawing, or physical.                                                                                                                                                                                                                          | RI.2.1 Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text.<br>W.1.8 With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question.                           |
| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                                                    | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TN English Language Arts Reading/Writing Academic Standards                                                                                                                                                                                                                                                         |
| Anchoring Phenomenon Powerpoint: How do plants respond to their environment?                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                     |
| Living Things<br>Read About It<br>Plant Parts and Needs<br>Plant Parents and Young<br>Literacy Station Card<br>How do plants help us solve problems?<br>How do young plants look like their parents?<br>Vocabulary Cards<br>Structure, function, leaf, stem, root, survive mimic, similar, parent                                                                                                               | 1-LS1-1 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.<br>K-2-ETS1-1 Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.<br>K-2-ETS1-2 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.<br>K-2-ETS1-3 Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs. | RI.1.1 Ask and answer questions about key details in a text.<br>RI.1.10 With prompting and support, read informational texts appropriately complex for grade.<br>W.1.8 With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question. |

| Amplify<br>CKLA<br>UNIT 6 Cycles in Nature                                                                                                                                                                                                                                                                                                                                | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                                                                                                                                                                        | Savvas Readers                                                                                                                                                                |
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| Topic 3 Anchoring Phenomenon Powerpoint: How can a glacier change Earth's surface?                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                               |
| Lesson 1: The Cycle of Daytime and Nighttime<br>Lesson 2: The Reasons for Seasons<br>Lesson 3: Four Seasons in One Year<br>Lesson 4: The Life Cycle of a Plant<br>Lesson 5: The Life Cycle of a Tree<br>Lesson 6: Which Came First, The Chicken or the Egg?<br>Lesson 7: The Life Cycle of a Frog<br>Lesson 8: The Life Cycle of a Butterfly<br>Lesson 9: The Water Cycle | Topic 3: Earth's Water and Land<br>Lesson 1: Describe Earth's Surface<br>Lesson 2: Water on Earth<br>Lesson 3: Map Land and Water<br><br>Topic 5: Plants and Animals<br>Lesson 1: Animal and Plant Life Cycles<br>Lesson 2: Plant Needs<br>Lesson 3: Animal Needs<br>Lesson 4: Animals Can Help Plants Reproduce         | Earth's Water and Land<br>Learn About Earth's Water and Land<br>Earth's Water and Land<br>All About Earth's Water and Land<br>STEM Engineering Reader: Earth's Water and Land |
| CKLA<br>UNIT 8 The Insects                                                                                                                                                                                                                                                                                                                                                | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                                                                                                                                                                        | Savvas Readers                                                                                                                                                                |
| Topic 6 Anchoring Phenomenon Powerpoint: How do penguins and their chicks survive in a cold place?                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                               |
| Lesson 1: Insects Everywhere!<br>Lesson 2: What Makes an Insect an Insect?<br>Lesson 3: Life Cycles of Insects<br>Lesson 4: Social Insects: Bees and Wasps<br>Lesson 5: Social Insects: Ants and Termites<br>Lesson 6: Insects that Glow and Sing<br>Lesson 7: Armored Tanks of the Insect World<br>Lesson 8: Friend or Foe?                                              | Topic 6: Habitats<br>Lesson 1: Identify Habitats<br>Lesson 2: Living Things in Land Habitats<br>Lesson 3: Living Things in Water Habitats<br><br>Topic 5: Plants and Animals<br>Lesson 1: Animal and Plant Life Cycles<br>Lesson 2: Plant Needs<br>Lesson 3: Animal Needs<br>Lesson 4: Animals Can Help Plants Reproduce | Habitats<br>Identify Habitats<br>Living Things in Land Habitats<br>Living Things in Water Habitats                                                                            |
| CKLA<br>UNIT 10 The Human Body                                                                                                                                                                                                                                                                                                                                            | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                                                                                                                                                                        | Savvas Readers                                                                                                                                                                |
| Topic 5 Anchoring Phenomenon Powerpoint: How can we classify animals?                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                               |
| Lesson 1: The Amazing Human Body<br>Lesson 2: Anton van Leeuwenhoek<br>Lesson 3: Cells and Tissues<br>Lesson 4: Organs<br>Lesson 5: The Digestive System<br>Lesson 6: The Excretory System<br>Lesson 7: Nutrients<br>Lesson 8: A Well-Balanced Diet<br>Lesson 9: A Healthy Human Body                                                                                     | Topic 5: Plants and Animals<br>Lesson 1: Animal and Plant Life Cycles<br>Lesson 2: Plant Needs<br>Lesson 3: Animal Needs<br>Lesson 4: Animals Can Help Plants Reproduce                                                                                                                                                  | Plants and Animals<br>Animal and Plant Life Cycles<br>Plant Needs<br>Animal Needs<br>Animals Can Help Plants Reproduce                                                        |

| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                 | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TN English Language Arts Reading/Writing Academic Standards                                                                                                                                                                                                                 |
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| Topic 5 Anchoring Phenomenon: How can we classify animals?                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                             |
| Earth's Water and Land<br>Read About It<br>Modeling Patterns of Land<br>Patterns of Earth's Water<br>Literacy Station Card<br>How can you model patterns of Land?<br>What are patterns of Earth's water?<br>Vocabulary Cards<br>Map, landform, glacier                                                                                                                       | 2-ESS2-1 Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land.<br>2-ESS2-2 Develop a model to represent the shapes and kinds of land and bodies of water in an area.<br>2-ESS2-3 Obtain information to identify where water is found on Earth and that it can be solid or liquid.<br>K-2-ETS1-2 Develop a simple sketch, drawing,or physical model to illustrate how the shape of an object helps its function as needed to solve a given problem.<br>K-2-ETS1-3 Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.                                                                                                                                                                                                                    | RI.2.7 Explain how specific images (e.g.,a diagram showing how a machine works)contribute to and clarify a text.                                                                                                                                                            |
| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                 | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TN English Language Arts Reading/Writing Academic Standards                                                                                                                                                                                                                 |
| Topic 5 Anchoring Phenomenon: How can we classify animals?                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                             |
| Habitats<br>Read About It<br>Plant Survival<br>Interactions of Living Things<br>Comparing Land and Water Habitats<br>Literacy Station Card<br>How do plants survive?<br>How are pollen and seeds spread?<br>How do living things depend on their habitats?<br>Vocabulary Cards<br>Survival, structure, pollen, pollination, function, disperse, habitat, diversity           | 2-LS4-1 Make observations of plants and animals to compare the diversity of life in different habitats.<br>K-2-ETS1-2 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | W.2.7 Participate in shared research and writing projects (e.g., read a number of books on a single topic to produce a report; record science observations).<br>W.2.8 Recall information from experiences or gather information from provided sources to answer a question. |
| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                 | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TN English Language Arts Reading/Writing Academic Standards                                                                                                                                                                                                                 |
| Topic 5 Anchoring Phenomenon Powerpoint: How can we classify animals?                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                             |
| Plants and Animals<br>Read About It<br>Plant Survival<br>Interactions of Living Things<br>Comparing Land and Water Habitats<br>Literacy Station Card<br>How do plants survive?<br>How are pollen and seeds spread?<br>How do living things depend on their habitats?<br>Vocabulary Cards<br>survival, structure, pollen, pollination, function, disperse, habitat, diversity | 2-LS2-1 Plan and conduct an investigation to determine if plants need sunlight and water to grow.<br>2-LS2-2 Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.<br>2-LS4-1 Make observations of plants and animals to compare the diversity of life in different habitats.<br>K-2-ETS1-1 Ask questions,make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.<br>K-2-ETS1-2 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.<br>K-2-ETS1-3 Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs. | W.2.7 Participate in shared research and writing projects (e.g., read a number of books on a single topic to produce a report; record science observations).<br>W.2.8 Recall information from experiences or gather information from provided sources to answer a question. |

| Amplify<br>CKLA<br>UNIT 2 Animal Classification                                                                                                                                                                                                                                                                                                                           | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Savvas Readers                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Anchoring Phenomenon Powerpoint: How do plants and animals survive?                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Lesson 1: Animals at the Zoo<br>Lesson 2: Classifying Living Things<br>Lesson 3: Vertebrate or Invertebrate<br>Lesson 4: Warm-Blooded and Cold-Blooded Animals<br>Lesson 5: Fish<br>Lesson 6: Amphibians<br>Lesson 7: Tree Frogs<br>Lesson 9: Reptiles<br>Lesson 11: Birds<br>Lesson 12: Mammals<br>Lesson 13: Jane Goodall<br>Lesson 14: Scientists Who Classify Animals | Topic 3: Structures and Functions<br>Lesson 1: Life Cycles<br>Lesson 2: Internal Structures and Functions of Plants<br>Lesson 3: External Structures and Functions of Plants<br>Lesson 4: Internal Structures and Functions of Animals<br>Lesson 5: External Structures and Functions of Animals<br>Lesson 6: Plant and Animal Responses to Environment<br><br>Topic 4: Adaptations and Survival<br>Lesson 1: Survival of Individuals<br>Lesson 2: Survival of Groups<br>Lesson 3: Survival When Environments Change<br>Lesson 4: Biodiversity and Resources | Structures and Functions<br>Learn About Structures and Functions<br>Structures and Function<br>All About Structures and Functions<br>STEM Engineering Reader: Structures and Functions<br><br>Adaptations and Survival<br>Learn About Living Things and Their Environments<br>Living Things and Their Environments<br>All About Living Things and Their Environments<br>STEM Engineering Reader: Living things and Their Environments |
| CKLA<br>UNIT 3 The Human Body: Systems and Senses                                                                                                                                                                                                                                                                                                                         | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Savvas Readers                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Anchoring Phenomenon Powerpoint: How do plants and animals survive?                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Lesson 1: Review Body Systems<br>Lesson 2: The Skeletal System<br>Lesson 3   4: All About Bones<br>Lesson 5: The Muscular System<br>Lesson 6: Joints and Muscles<br>Lesson 7: The Nervous System<br>Lesson 8   9: The Spinal Cord and Brain<br>Lesson 10: Eyes and Vision<br>Lesson 11: Ears and Hearing<br>Lesson 13: Overcoming Disabilities Part I                     | Topic 3: Structures and Function<br>Lesson 1: Life Cycles<br>Lesson 2: Internal Structures and Functions of Plants<br>Lesson 3: External Structures and Functions of Plants<br>Lesson 4: Internal Structures and Functions of Animals<br>Lesson 5: External Structures and Functions of Animals<br>Lesson 6: Plant and Animal Responses to Environment                                                                                                                                                                                                       | Structures and Functions<br>Learn About Structures and Functions<br>Structures and Function<br>All About Structures and Functions<br>STEM Engineering Reader: Structures and Functions                                                                                                                                                                                                                                                |
| CKLA<br>UNIT 5 Light and Sound                                                                                                                                                                                                                                                                                                                                            | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Savvas Readers                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Anchoring Phenomenon Powerpoint: How can a magnet help to sort trash?                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Lesson 1: What is Light?<br>Lesson 2: What is Light II<br>Lesson 3: How are Shadows Made?<br>Lesson 4: Mirrors and Reflections<br>Lesson 5: Refractions and Lenses<br>Lesson 7: Color and Light<br>Lesson 9: What is Sound?<br>Lesson 10: Characteristics of Sound<br>Lesson 11: The Human Voice<br>Lesson 12: Alexander Graham Bell<br>Lesson 13: Thomas Edison          | Topic 2: Forces and Energy<br>Lesson 1: Electric Forces<br>Lesson 2: Magnetism and Gravity<br>Lesson 3: Forms of Energy<br>Lesson 4: Energy Transfer and Circuits                                                                                                                                                                                                                                                                                                                                                                                            | Electricity and Magnetism<br>Learn About Electricity and Magnetism<br>Electricity and Magnetism<br>All About Electricity and Magnetism<br>STEM Engineering Reader: Electricity and Magnetism                                                                                                                                                                                                                                          |

| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                                                                                 | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TN English Language Arts Reading/Writing Academic Standards |
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| Anchoring Phenomenon Powerpoint: How do plants and animals survive?                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                             |
| Adaptations and Survival<br>Read About It<br>Survival of Individuals<br>Survival of Groups<br>Survival When Environments Change<br>Literacy Station Card<br>Hoe does an individual survive in its habitat?<br>Why do animals form groups?<br>How do plants and animals survive when their environment changes?<br>Vocabulary Cards<br>Adaptation, survive, individual, species, habitat, group, advantage, defend, system, drought, migrate, | 3.LS1.1 Use graphical representations to compare how species including humans and other organisms have unique and diverse life cycles.<br>3.LS1.2 Analyze the internal and external structures that aquatic and land organisms have to support survival, growth, behavior, and reproduction.<br>3.LS4.1 Use evidence to explain the cause and effect relationship between a naturally changing habitat and how well an organism survives.<br>3.ETS1.2 Apply evidence or research to support a design solution.                                                                                                          | Compare and Contrast                                        |
| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                                                                                 | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TN English Language Arts Reading/Writing Academic Standards |
| Anchoring Phenomenon Powerpoint: How do plants and animals survive?                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                             |
| Adaptations and Survival<br>Read About It<br>Survival of Individuals<br>Survival of Groups<br>Survival When Environments Change<br>Literacy Station Card<br>Hoe does an individual survive in its habitat?<br>Why do animals form groups?<br>How do plants and animals survive when their environment changes?<br>Vocabulary Cards<br>Adaptation, survive, individual, species, habitat, group, advantage, defend, system, drought, migrate, | 3.LS1.1 Use graphical representations to compare how species including humans and other organisms have unique and diverse life cycles.<br>3.LS1.2 Analyze the internal and external structures that aquatic and land organisms have to support survival, growth, behavior, and reproduction.<br>3.LS4.1 Use evidence to explain the cause and effect relationship between a naturally changing habitat and how well an organism survives.<br>3.ETS1.2 Apply evidence or research to support a design solution.                                                                                                          | Compare and Contrast                                        |
| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                                                                                 | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TN English Language Arts Reading/Writing Academic Standards |
| Anchoring Phenomenon Powerpoint: How can a magnet help to sort trash?                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                             |
| Forces and Energy<br>Read About It<br>Investigating Forces<br>Patterns of Motion<br>Literacy Station Card<br>How do balanced and unbalanced forces affect objects?<br>How can we observe and predict patterns of motion?<br>Vocabulary Cards<br>Force, balanced forces, unbalanced forces, motion, contact force, pattern, position, observe, measure, predict                                                                               | 3.PS2.1 Explain cause and effect relationships of forces that cannot be seen including interactions between two objects not in contact with each other (i.e., static electricity, magnetism and gravity)<br>3.PS3.1 Make observations of sound, light, heat, and motion to collect evidence that energy is present in a system.<br>3.PS3.2 Develop a model to show that energy can be transferred from place to place by electric currents in a system. (e.g., open, closed, simple, parallel, series circuits)<br>3.ETS1.1 Design a solution to a real-world problem that includes specified criteria and constraints. | Sequence                                                    |

| CKLA<br>UNIT 7 Astronomy: Our Solar System and Beyond                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                                             | Savvas Readers                                                                                                                                                                                                                          |
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| Anchoring Phenomenon Powerpoint: How do objects in the solar system interact?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                               |                                                                                                                                                                                                                                         |
| Lesson 1: The Sun, Earth, and Our Solar System<br>Lesson 2: The Moon<br>Lesson 3: The Planets Closest to the Sun: Mercury, Venus, Earth, and Mars<br>Lesson 4: The Outer Planets: Jupiter, Saturn, Uranus, and Neptune<br>Lesson 5: Asteroids, Comets, and Meteors<br>Lesson 6: Galaxies and Stars<br>Lesson 8: Constellations<br>Lesson 10: Exploring Space<br>Lesson 11: Part 1: Gravity<br>Lesson 12: Part 2: Gravity<br>Lesson 13: Nicolaus Copernicus<br>Lesson 14: A Walk on the Moon   What's It Like In Space?<br>Lesson 15: The Space Shuttle<br>Lesson 16: Dr. Mae Jemison<br>Lesson 17: Stargirl<br>Lesson 18: The International Space Station<br>Lesson 19: The Big Bang Theory | Topic 5: Solar System<br>Lesson 1: Inner Solar System<br>Lesson 2: Outer Solar System                                                                                                         | Solar System<br>STEM Connection: Inner Solar System<br>Inner Solar System<br>Curriculum Connection: Out Solar System<br>Outer Solar System                                                                                              |
| CKLA<br>UNIT 11 Ecology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                                             | Savvas Readers                                                                                                                                                                                                                          |
| Anchoring Phenomenon Powerpoint: How does the raccoon survive in Tennessee's changing environments?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                               |                                                                                                                                                                                                                                         |
| Lesson 1: Living Things and Their Habitats<br>Lesson 2: Food Chains<br>Lesson 3: Producers, Consumers, and Decomposers<br>Lesson 4: The Balance of Nature<br>Lesson 5: Natural Changes to the Environment<br>Lesson 6: Human Changes to the Environment<br>Lesson 7: Environment Damage Caused by Humans<br>Lesson 8: Protecting the Environment<br>Lesson 9: John Mulk                                                                                                                                                                                                                                                                                                                     | Topic 6: Adaptations and Survival<br>Lesson 1: Survival of Individuals<br>Lesson 2: Survival of Groups<br>Lesson 3: Survival When Environments Change<br>Lesson 4: Biodiversity and Resources | Adaptations and Survival<br>Learn About Living Things and Their Environments<br>Living Things and Their Environments<br>All About Living Things and Their Environments<br>STEM Engineering Reader: Living things and Their Environments |

| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                                                                                 | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TN English Language Arts Reading/Writing Academic Standards |
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| Anchoring Phenomenon Powerpoint: How do objects in the solar system interact?                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                             |
| Forces and Energy<br>Read About It<br>Investigating Forces<br>Patterns of Motion<br>Literacy Station Card<br>How do balanced and unbalanced forces affect objects?<br>How can we observe and predict patterns of motion?<br>Vocabulary Cards<br>Force, balanced forces, unbalanced forces, motion, contact force, pattern, position, observe, measure, predict                                                                               | 3.ESS1.1 Use data to categorize different bodies in our solar system including inner and outer planets, moons, asteroids, comets, and meteoroids according to their physical properties and motion.                                                                                                                                                                                                                                                                                                                                                        | Main Idea and Details                                       |
| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                                                                                 | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TN English Language Arts Reading/Writing Academic Standards |
| Anchoring Phenomenon Powerpoint: How does the raccoon survive in Tennessee's changing environments?                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                             |
| Adaptations and Survival<br>Read About It<br>Survival of Individuals<br>Survival of Groups<br>Survival When Environments Change<br>Literacy Station Card<br>Hoe does an individual survive in its habitat?<br>Why do animals form groups?<br>How do plants and animals survive when their environment changes?<br>Vocabulary Cards<br>Adaptation, survive, individual, species, habitat, group, advantage, defend, system, drought, migrate, | 3.LS2.1 Obtain information to compare various ways that groups organize (e.g., specialized roles for members vs same roles for members) to explain the benefits of animal group behavior.<br>3.LS4.1 Use evidence to explain the cause and effect relationship between a naturally changing habitat and how well an organism survives.<br>3.LS4.2 Use evidence to determine the changes between an environment's biodiversity and human resources.<br>3.ETS1.1 Design a solution to a real world problem that includes specified criteria and constraints. | Compare and Contrast                                        |

| Amplify<br>CKLA<br>UNIT 4 Eureka! Student Inventor                                                                                                                                                             | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                                                         | Savvas Readers                                                                                                                                                                                                             |
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| Lesson 3: Researching the Lightbulb;<br>Invention Pitch                                                                                                                                                        | Anchoring Phenomenon Powerpoint: How does sound travel from speakers to our ears?                                                                                                                         |                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                | Topic 2: Waves and Information<br>Lesson 1: Properties of Waves<br>Lesson 2: Patterns of Waves<br>Lesson 3: Light Waves<br>Lesson 4: Waves and Information                                                | Waves and Information<br>Learn About Waves and Information<br>Waves and Information<br>All About Waves and Information<br>STEM Engineering Reader: Waves and Information                                                   |
|                                                                                                                                                                                                                |                                                                                                                                                                                                           |                                                                                                                                                                                                                            |
| CKLA<br>UNIT 5 Geology                                                                                                                                                                                         | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                                                         | Savvas Readers                                                                                                                                                                                                             |
| Lesson 4   5: Earth's Shakes and Quakes<br>Lesson 6: Earth's Fiery Volcanoes<br>Lesson 7: Mythic Volcano Spirits<br>Lesson 8   9: Earth's Building Blocks<br>Lesson 10   11: Earth's Powerful Forces of Change | Anchoring Phenomenon Powerpoint: How does Earth change over time?                                                                                                                                         |                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                | Topic 4: Earth's Features and Patterns<br>Lesson 1: Maps and Data<br>Lesson 2: Patterns of Earth's Features<br>Lesson 3: Rocks, Minerals, and Soil<br>Lesson 4: Weathering and Erosion                    | Earth's Features and Patterns<br>Learn About Earth's Features<br>Earth's Features<br>All About Earth's Features<br>STEM Engineering Reader: Earth's Features                                                               |
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| Lesson 13   14: Earth's Undersea World                                                                                                                                                                         | Anchoring Phenomenon Powerpoint: How does a cricket affect its ecosystem?                                                                                                                                 |                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                | Topic 3: Matter and Energy in Ecosystems<br>Lesson 1: Ecosystems<br>Lesson 2: Organisms Within Ecosystems<br>Lesson 3: Change Within Ecosystems<br>Lesson 4: Matter and Energy Transfer Within Ecosystems | Matter and Energy in Ecosystems<br>Learn About Matter and Energy in Ecosystems<br>Matter and Energy in Ecosystems<br>All About Matter and Energy in Ecosystems<br>STEM Engineering Reader: Matter and Energy in Ecosystems |
|                                                                                                                                                                                                                |                                                                                                                                                                                                           |                                                                                                                                                                                                                            |

| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TN English Language Arts Reading/Writing<br>Academic Standards |
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| Anchoring Phenomenon Powerpoint: How does sound travel from speakers to our ears?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                |
| Waves and Information<br>Read About It<br>Patterns of Waves<br>Waves and Information<br>Literacy Station Card<br>What are wave patterns?<br>What is information transfer?<br>Vocabulary Cards<br>Natural resource, fuel, engine, turbine, generator, motor, rotate, nonrenewable resource, fossil fuel, obtain, pollutant, renewable resource, hydropower, geothermal energy, solar power, wind power, interfere                                                                                                                                                                                                  | 4.PS4.1 Use a model of a simple wave to describe amplitude, wavelength, and explain how waves can add or cancel each other as they cross.<br>4.PS4.2 Construct an explanation for how the colors of available light sources and the bending of light waves determine what we see.<br>4.PS4.3 Investigate how lenses enhance human senses and digital devices like computers and cell phones. Use waves to receive and decode information over distances.<br>4.ETS1.1 Categorize the effectiveness of design solutions by testing and comparing them to specified criteria and constraints.                                                | Use Evidence from Text                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                |
| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TN English Language Arts Reading/Writing<br>Academic Standards |
| Anchoring Phenomenon Powerpoint: How does Earth change over time?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                |
| Earth's Natural Hazards<br>Read About It<br>Fossils and Rock Formations<br>Weathering and Erosion<br>Patterns of Earth's Features<br>Impacts of Natural Hazards<br>Literacy Station Card<br>What patterns do fossils and rock layers form?<br>What are weathering and erosion?<br>What are some patterns of Earth's features?<br>How do natural hazards impact human life?<br>Vocabulary Cards<br>Rock formation, rock layer, impression, fossil, weathering, erosion, sediment, rate, feature, mountain range, ocean trench, earthquake, volcano, natural hazard, volcanic eruption, tsunامي, impact, landslide, | 4.ESS1.1 Generate and support a claim with evidence that over long periods of time, erosion (i.e., weather and transportation) and deposition have changed landscapes and created new landforms.<br>4.ESS2.1 Collect and analyze data from observations to provide evidence that rocks, soils, and sediments are broken into smaller pieces through mechanical weathering (frost wedging, abrasion, tree root wedging) and are transported by water, ice, wind, gravity, and vegetation.<br>4.ESS2.2 Interpret maps to determine that the location of mountain ranges, deep ocean trenches, volcanoes, and earthquakes occur in patterns. | Draw Conclusions                                               |
| Anchoring Phenomenon Powerpoint: How does a cricket affect its ecosystem?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                |
| Matter and Energy in Ecosystems<br>Read About It<br>Energy Conversions<br>Nonrenewable Energy Resources<br>Renewable Energy Resources<br>Literacy Station Card<br>How do humans use energy?<br>What are nonrenewable energy resources?<br>What are renewable energy resources?<br>Vocabulary Cards<br>Natural resource, fuel, engine, turbine, generator, motor, rotate, nonrenewable resource, fossil fuel, obtain, pollutant, renewable resource, hydropower, geothermal energy, solar power, wind power, interfere,                                                                                            | 4.LS2.1 Develop and use models to illustrate the flow of matter through a good web/food chain beginning with sunlight and including producers, consumers, and decomposers.<br>4.LS2.3 Develop and use models to determine the effects of introducing a species to, or removing a species from, an ecosystem and how either one can damage the balance of an ecosystem.<br><br>Also 4.LS2.2, 4.LS2.4, 4.ESS2.3                                                                                                                                                                                                                             | Compare and Contrast                                           |

| Amplify<br>CKLA<br>UNIT 9 Chemical Matter                                                                                                                                               | Savvas Elevate Science Integration Text<br>(print and/or digital)                                                                                                                           | Savvas Readers                                                                                                                                                             |
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| <b>Lesson 3:</b> Chemical States<br><b>Lesson 4:</b> Metal or Nonmetal                                                                                                                  | <b>Anchoring Phenomenon Powerpoint:</b> How do engineers choose what materials to use for a structure?                                                                                      |                                                                                                                                                                            |
|                                                                                                                                                                                         | <b>Topic 1: Properties of Matter</b><br><b>Lesson 1:</b> Observe Matter<br><b>Lesson 2:</b> Model Matter<br><b>Lesson 3:</b> Properties of Matter                                           | <b>Properties of Matter</b><br>Learn About Properties of Matter<br>Properties of Matter<br>All About Properties of Matter<br>STEM Engineering Reader: Properties of Matter |
| <b>Lesson 6:</b> Compound and Elements<br><b>Lesson 7:</b> Mixtures and Solutions<br><b>Lesson 9:</b> Physical and Chemical Reactions<br><b>Lesson 13:</b> Recycling, a Chemical Change | <b>Anchoring Phenomenon Powerpoint:</b> Why does a boat rust over time?                                                                                                                     |                                                                                                                                                                            |
|                                                                                                                                                                                         | <b>Topic 2: Changes in Matter</b><br><b>Lesson 1:</b> States of Matter<br><b>Lesson 2:</b> Physical Changes<br><b>Lesson 3:</b> Chemical Changes<br><b>Lesson 4:</b> Mixtures and Solutions | <b>Changes in Matter</b><br>Learn About Changes in Matter<br>Changes in Matter<br>All About Changes in Matter<br>STEM Engineering Reader: Changes in Matter                |

| Streamlined Literacy Package                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TN Academic Standards for Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TN English Language Arts Reading/Writing<br>Academic Standards |
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| <b>Anchoring Phenomenon Powerpoint:</b> How do engineers choose what materials to use for a structure?                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                |
| <b>Properties of Matter</b><br><b>Read About It</b><br>Properties of Matter<br>Model Matter<br><b>Literacy Station Card</b><br>How can you identify matter?<br>Why can you see solids and liquids and not gases?<br><b>Vocabulary Cards</b><br>Matter, classify, physical property, weight, volume, temperature, solid, liquid, gas, expand, evaporation, condensation, dissolve,                                                                                                 | <b>5.PS1.1</b> Analyze and interpret data from observations and measurements of the physical properties of matter to explain phase changes between a solid, liquid, or gas.<br><b>5.ETS1.1</b> Plan and carry out tests on one or more elements of a prototype in which variables are controlled and failure points are considered to identify which elements need to be improved. Apply the results of tests to redesign the prototype.                                                                                                                                                                | Use Evidence From Text                                         |
| <b>Anchoring Phenomenon Powerpoint:</b> Why does a boat rust over time?                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                |
| <b>Changes in Matter</b><br><b>Read About It</b><br>Physical Changes<br>Chemical Changes<br>Mixtures and Solutions<br><b>Literacy Station Card</b><br>What happens to matter during a physical change?<br>What happens to matter during a chemical change?<br>What happens to the weights of two substances when they are mixed?<br><b>Vocabulary Cards</b><br>Physical change, phase change, conserve, chemical change, chemical reaction, vanish, component, mixture, solution, | <b>5.PS1.1</b> Analyze and interpret data from observations and measurements of the physical properties of matter to explain phase changes between a solid, liquid, or gas.<br><b>5.PS1.2</b> Analyze and interpret data to show that the amount of matter is conserved even when it changes form, including transitions where matter seems to vanish.<br><b>5.PS1.3</b> Construct an argument using the physical properties of matter that combining substances may or may not result in a new substance.<br><b>5.ETS2.1</b> Use appropriate tools to make measurements and answer testable questions. | Use Evidence From Text                                         |



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