

SRA Snapshots Simply Science™
correlation to
Tennessee Science Curriculum Standards
Grade 1

SRA Snapshots Simply Science™ consists of several components. Each level has Simply Science Video lessons (**Video**) that provide an introduction to or review of the unit science concepts. The Fiction Read Alouds (**RAF**) and Nonfiction Read Alouds (**RANF**) provide student friendly text that reinforces the science concepts in the video. The Teacher’s Idea Book (**TIB**) provides quick lesson activities and reproducible pages (**BLM**). The Vocabulary Photo Cards (**Cards**) contain engaging photos, definitions, and additional activities.

KEY:

Reference	Program Component
Video	Video lessons
RAF	Read Aloud - Fiction
RANF	Read Aloud - Nonfiction
TIB	Teacher’s Idea Book
BLM	Reproducible pages
Cards	Vocabulary Photo Cards

SRA Snapshots Simply Science™ Grade 1
Life Science Unit 1: Living Things and Their Needs

Program Components	Tennessee Science Curriculum Standards
Video Living Things and Their Needs RAF “A Funny Frog” RANF “We Are Living Things” TIB pages 14, 15, 16, 17, 18, 19 BLM pages 70, 71, 72, 73, 74, 75, 76, 77, 78, 79 Cards 1, 2, 3, 4, 5, 6, 55, 56, 57, 60, 61, 63, 64, 65, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90	Content Standard: 2.0 Interactions Between Living Things and Their Environment The student will investigate how living things interact with one another and with non-living elements of their environment. 1.2.1 Recognize the distinction between living things and non-living things. 1.2.2 Realize that organisms use their senses to interact with their environment. <ul style="list-style-type: none"> • Use the senses to explore the environment. Content Standard: 3.0 Food Production and Energy for Life The student will study the basic parts of plants, investigate how plants produce food, and discover that plants and animals use food to sustain life. 1.3.1 Recognize the basic requirements of all living things. <ul style="list-style-type: none"> • Recognize the basic needs of living things (e.g., food, water, sunlight, air).

SRA Snapshots Simply Science™ Grade 1
Life Science Unit 2: Learning About Plants

Program Components	Tennessee Science Curriculum Standards
Video Learning About Plants RAF “Which Way to Sprout?” RANF “Plants Are Living Things” TIB pages 20, 21, 22, 23, 24, 25 BLM pages 80, 81, 82, 83, 84, 85, 86, 87, 88, 89 Cards 7, 8, 9, 10, 11, 12, 55, 56, 69, 81, 84, 87, 88	Content Standard: 1.0 Cell Structure and Function The student will investigate the structure and function of plant and animal cells. 1.1.1 Recognize that living things are made up of smaller parts. <ul style="list-style-type: none"> • Use magnifiers to observe smaller parts of larger parts. 1.1.2 Recognize that smaller parts of living things contribute to the operation of well being of entire organisms. <ul style="list-style-type: none"> • Observe and describe what happens when an object loses a part. Content Standard: 3.0 Food Production and Energy for Life The student will study the basic parts of plants, investigate how plants produce food, and discover that plants and animals use food to sustain life. 1.3.1 Recognize the basic requirements of all living things. <ul style="list-style-type: none"> • Recognize the basic needs of living things (e.g., food, water, sunlight, air). 1.3.2 Recognize the basic parts of plants.

SRA Snapshots Simply Science™ Grade 1
Life Science Unit 3: Habitats Are Everywhere

Program Components	Tennessee Science Curriculum Standards
<p>Video Habitats Are Everywhere RAF “A Home for Maggie” RANF “A Habitat Is a Home” TIB pages 26, 27, 28, 29, 30, 31 BLM pages 90, 91, 92, 93, 94, 95, 96, 97, 98, 99 Cards 13, 14, 15, 16, 17, 18, 19, 66, 75, 82</p>	<p>Content Standard: 2.0 Interactions Between Living Things and Their Environment The student will investigate how living things interact with one another and with non-living elements of their environment. 1.2.3 Examine interrelationships among plants, animals, and their environment. <ul style="list-style-type: none"> Collect information about organisms that occupy specific environments. 1.2.4 Recognize that the environment and the organisms that live in it can be affected by pollution. <ul style="list-style-type: none"> Provide examples of pollutants in a specific environment. </p> <p>Content Standard: 5.0 Diversity and Adaptation Among Living Things The student will understand that living things have characteristics that enable them to survive in their environment. 1.5.2 Recognize that living things have features that help them to survive in different environments. <ul style="list-style-type: none"> Recognize the environment in which an organism is typically found. </p>

SRA Snapshots Simply Science™ Grade 1
Earth Science Unit 4: Learning About Earth’s Surface

Program Components	Tennessee Science Curriculum Standards
<p>Video Learning About Earth’s Surface RAF “A Big Difference” RANF “Earth’s Many Resources” TIB pages 32, 33, 34, 35, 36, 37 BLM pages 100, 101, 102, 103, 104, 105, 106, 107, 108, 109 Cards 16, 19, 20, 21, 22, 23, 24, 75, 82, 85, 90</p>	<p>Content Standard: 9.0 Earth Features The student will understand that the earth has many geological features that are constantly changing. 1.9.1 Identify the earth’s major geological features. <ul style="list-style-type: none"> Distinguish between land and water environments. </p> <p>Content Standard : 10.0 Earth Resources The student will investigate the properties, uses, and conservation of earth’s resources. 1.10.1 Recognize that there are a variety of earth materials which have basic observable and measurable properties. <ul style="list-style-type: none"> Use observable properties to distinguish among a variety of earth materials. 1.10.2 Realize that earth materials can be recycled or conserved. <ul style="list-style-type: none"> Identify ways that earth materials benefit man. </p>

SRA Snapshots Simply Science™ Grade 1
Earth Science Unit 5: Weather on Earth

Program Components	Tennessee Science Curriculum Standards
<p>Video Weather on Earth RAF “A Leaf’s Story” RANF “All About Weather!” TIB pages 38, 39, 40, 41, 42, 43 BLM pages 110, 111, 112, 113, 114, 115, 116, 117, 118, 119 Cards 25, 26, 27, 28, 29, 30, 53, 63, 73, 86</p>	<p>Content Standard: 8.0 Atmospheric Cycles The student will investigate the relationships among atmospheric conditions, weather, and climate. 1.8.1 Recognize daily and seasonal weather changes. <ol style="list-style-type: none"> Recognize that weather conditions are constantly changing. Describe weather patterns associated with the seasons. 1.8.2 Realize that weather is associated with temperature, precipitation, and wind conditions and can be measured with tools and instruments. <ol style="list-style-type: none"> Associate temperature, precipitation, and wind conditions with various types of weather. Identify the appropriate tool for measuring temperature, precipitation, and wind speed/direction. </p>

SRA Snapshots Simply Science™ Grade 1

Earth Science Unit 6: Earth in Space

Program Components

Video Earth in Space
RAF “The Mysterious Moon”
RANF “Look Up!”
TIB pages 44, 45, 46, 47, 48, 49
BLM pages 120, 121, 122, 123, 124, 125, 126, 127, 128, 129
Cards 31, 32, 33, 34, 35, 36, 86, 89

Tennessee Science Curriculum Standards

Content Standard: 7.0 Earth and Its Place in the Universe
The student will investigate the structure of the universe.
1.7.1 Recognize that different objects appear in the day and nighttime sky.
a. Distinguish between objects that appear in the day and nighttime sky.
b. Recognize that the moon is the closest object in the sky.
c. Recognize that there are tools for observing objects in the day and nighttime sky.

1.7.2 Recognize that there are predictable patterns which occur in the universe.
a. Observe and illustrate the position of the sun at different times of the day.
b. Recognize that shadows change length and position during the course of a day.

Content Standard: 14.0 Energy
The student will investigate energy and its uses.
1.14.1 Realize that the sun is the main source of earth’s heat and light energy.
• Describe the effect of the sun’s energy on different materials.

SRA Snapshots Simply Science™ Grade 1

Physical Science Unit 7: Properties of Matter

Program Components

Video Properties of Matter
RAF “What’s the Matter?”
RANF “Matter All Around”
TIB pages 50, 51, 52, 53, 54, 55
BLM pages 130, 131, 132, 133, 134, 135, 136, 137, 138, 139
Cards 37, 38, 39, 40, 41, 42, 63, 73, 90

Tennessee Science Curriculum Standards

Content Standard: 12 Structure and Properties of Matter
The student will investigate the characteristic properties of matter.
1.12.1 Recognize that objects have observable properties that can change over time and under different conditions.
b. Distinguish between solids and liquids.

Content Standard: 13 Interactions of Matter
The student will investigate the interactions of matter.
1.13.1 Investigate the kinds of changes that occur when different types of matter interact.
• Observe and describe changes that can occur when two materials interact.

SRA Snapshots Simply Science™ Grade 1

Physical Science Unit 8: Learning About Forces

Program Components

Video Learning About Forces
RAF “Queen of the Hill”
RANF “Pushes and Pulls”
TIB pages 56, 57, 58, 59, 60, 61
BLM pages 140, 141, 142, 143, 144, 145, 146, 147, 148, 149
Cards 43, 44, 45, 46, 47, 48

Tennessee Science Curriculum Standards

Content Standard: 11 Forces and Motion
The student will investigate the effects of force on the movements of objects.
1.11.1 Realize the basic concepts that forces can move objects (push/pull).
• Observe and describe how the movement of an object can be changed (e.g., push/pull, fast/slow).

1.11.2 Observe and predict how the weight of an object and its position affect balance.
• Recognize objects that are balanced.

SRA Snapshots Simply Science™ Grade 1
Physical Science Unit 9: Heat, Light, and Sound

Program Components	Tennessee Science Curriculum Standards
<p>Video Heat, Light, and Sound RAF “The Energy Challenge” RANF “Energy All Around” TIB pages 62, 63, 64, 65, 66, 67 BLM pages 150, 151, 152, 153, 154, 155, 156, 157, 158, 159 Cards 36, 49, 50, 51, 52, 53, 54, 59, 65, 70, 79</p>	<p>Content Standard: 14.0 Energy The student will investigate energy and its uses. 1.14.1 Realize that the sun is the main source of earth’s heat and light energy.</p> <ul style="list-style-type: none"> • Describe the effect of the sun’s energy on different materials. <p>1.14.2 Recognize that sound is produced when objects vibrate.</p> <ul style="list-style-type: none"> • Classify sounds according to their basic characteristics (e.g., loud/soft, natural/man-made).

SRA Snapshots Simply Science™
correlation to
Tennessee Science Curriculum Standards
Grade 2

SRA Snapshots Simply Science™ consists of several components. Each level has Simply Science Video lessons (**Video**) that provide an introduction to or review of the unit science concepts. The Fiction Read Alouds (**RAF**) and Nonfiction Read Alouds (**RANF**) provide student friendly text that reinforces the science concepts in the video. The Teacher’s Idea Book (**TIB**) provides quick lesson activities and reproducible pages (**BLM**). The Vocabulary Photo Cards (**Cards**) contain engaging photos, definitions, and additional activities.

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SRA Snapshots Simply Science™ Grade 2	
Life Science Unit 1: Organisms Are Living Things	
Program Components	Tennessee Science Curriculum Standards
Video Organisms Are Living Things RAF “The Brave Beaver” RANF “Organisms Are Alive” TIB pages 14, 15, 16, 17, 18, 19 BLM pages 70, 71, 72, 73, 74, 75, 76, 77, 78, 79 Cards 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 55, 57, 59, 62, 64, 65, 70, 72, 73, 80, 83, 87, 88	Content Standard: 2.0 Interactions Between Living Things and Their Environment The student will investigate how living things interact with one another and with non-living elements of their environment. 2.2.1 Recognize the distinction between living and non-living things. <ul style="list-style-type: none"> • Categorize objects as living or non-living. Content Standard: 3.0 Food Production and Energy for Life The student will study the basic parts of plants, investigate how plants produce food, and discover that plants and animals use food to sustain life. 2.3.1 Recognize the basic requirements of all living things. <ul style="list-style-type: none"> • Compare how plants and animals satisfy their basic requirements for life. Content Standard: 4.0 Heredity and Reproduction The student will understand the basic principles of inheritance. 2.4.1 Recognize that all living things reproduce. <ul style="list-style-type: none"> • Recognize that all living things come from other living things.

SRA Snapshots Simply Science™ Grade 2
Life Science Unit 2: Learning About Animals

Program Components	Tennessee Science Curriculum Standards
<p>Video Learning About Animals RAF “Fun in the Rain Forest: RANF “Animals Are Living Things” TIB pages 20, 21, 22, 23, 24, 25 BLM pages 80, 81, 82, 83, 84, 85, 86, 87, 88, 89 Cards 7, 8, 9, 10, 11, 12, 55, 57, 59, 61, 62, 64, 70, 72, 80, 83, 87, 88</p>	<p>Content Standard: 4.0 Heredity and Reproduction The student will understand the basic principles of inheritance. 2.4.1 Recognize that all living things reproduce.</p> <ul style="list-style-type: none"> • Recognize that all living things come from other living things. <p>2.4.2 Recognize that offspring tend to resemble their parents.</p> <ul style="list-style-type: none"> • Match offspring with their parents. <p>2.4.3 Recognize that the appearance of plants and animals changes as they mature.</p> <ul style="list-style-type: none"> • Recognize that as an organism grows, its appearance may change. <p>Content Standard: 5.0 Diversity and Adaptation Among Living Things The student will understand that living things have characteristics that enable them to survive in their environment. 2.5.2 Recognize that living things have features that help them to survive in different environments.</p> <ul style="list-style-type: none"> • Classify an organism according to the environment in which it can best survive.

SRA Snapshots Simply Science™ Grade 2
Life Science Unit 3: Ecosystems All Around

Program Components	Tennessee Science Curriculum Standards
<p>Video Ecosystems All Around RAF “A Remarkable River” RANF “Ecosystems in Action” TIB pages 26, 27, 28, 29, 30, 31 BLM pages 90, 91, 92, 93, 94, 95, 96, 97, 98, 99 Cards 13, 14, 15, 16, 17, 18, 67, 76, 77</p>	<p>Content Standard: 2.0 Interactions Between Living Things and Their Environment The student will investigate how living things interact with one another and with non-living elements of their environment. 2.2.2 Realize that organisms use their senses to interact with their environment.</p> <ul style="list-style-type: none"> • Determine how animals interact with the living and non-living elements in their environment through the senses. <p>2.2.3 Examine interrelationships among plants, animals, and their environment.</p> <ul style="list-style-type: none"> • Determine how organisms interact with the non-living elements of the environment. <p>2.2.4 Recognize that the environment and the organisms that live in it can be affected by pollution.</p> <ul style="list-style-type: none"> • Recognize different types of pollutants.

SRA Snapshots Simply Science™ Grade 2
Earth Science Unit 4: Earth’s Natural Resources

Program Components	Tennessee Science Curriculum Standards
<p>Video Earth’s Natural Resources RAF “The Missing Rock” RANF “Digging in the Dirt” TIB pages 32, 33, 34, 35, 36, 37 BLM pages 100, 101, 102, 103, 104, 105, 106, 107, 108, 109 Cards 16, 19, 20, 21, 22, 23, 24, 78, 79, 82, 89</p>	<p>Content Standard: 6.0 Biological Change The student will understand that living things have changed over time. 2.6.1 Recognize that some plants and animals that once lived are no longer found on earth.</p> <ul style="list-style-type: none"> • Recognize that some plants and animals that formerly inhabited the earth are no longer present on earth. <p>Content Standard: 10.0 Earth Resources The student will investigate the properties, uses, and conservation of earth’s resources. 2.10.1 Recognize that there are a variety of earth materials which have basic observable and measurable properties. a. Recognize the components of soil and sand. b. Observe the properties of sand and soil. 2.10.2 Realize that earth materials can be recycled or conserved.</p> <ul style="list-style-type: none"> • Identify various methods to conserve earth resources (e.g., soil, trees, water).

SRA Snapshots Simply Science™ Grade 2
Earth Science Unit 5: Weather and Water

Program Components	Tennessee Science Curriculum Standards
<p>Video Weather and Water RAF “Felicia and the Four Seasons” RANF “All About Weather!” TIB pages 38, 39, 40, 41, 42, 43 BLM pages 110, 111, 112, 113, 114, 115, 116, 117, 118, 119 Cards 25, 26, 27, 28, 29, 30, 41, 60, 66, 75, 81, 85, 90</p>	<p>This topic is not covered in the Grade 2 Tennessee Science Curriculum Standards however it aligns with National Science Education Content Standard D:</p> <p>Earth and Space Science—Students should develop an understanding of properties of earth materials, objects in the sky, and changes in earth and sky.</p> <p><i>See also Grade 1:</i> Content Standard: 8.0 Atmospheric Cycles The student will investigate the relationships among atmospheric conditions, weather, and climate. 1.8.1 Recognize daily and seasonal weather changes. a. Recognize that weather conditions are constantly changing. b. Describe weather patterns associated with the seasons.</p> <p>1.8.2 Realize that weather is associated with temperature, precipitation, and wind conditions and can be measured with tools and instruments. a. Associate temperature, precipitation, and wind conditions with various types of weather. b. Identify the appropriate tool for measuring temperature, precipitation, and wind speed/direction.</p>

SRA Snapshots Simply Science™ Grade 2
Earth Science Unit 6: Learning About Space

Program Components	Tennessee Science Curriculum Standards
Video Learning About Space RAF “Janie’s Space Journey” RANF “Earth in Space” TIB pages 44, 45, 46, 47, 48, 49 BLM pages 120, 121, 122, 123, 124, 125, 126, 127, 128, 129 Cards 31, 32, 33, 34, 35, 36, 86	Content Standard: 7.0 Earth and Its Place in the Universe The student will investigate the structure of the universe. 2.7.1 Recognize that different objects appear in the day and nighttime sky. a. Recognize there are innumerable stars in the nighttime sky that vary in brightness, color, and location. b. Recognize that the sun is the brightest object in the sky and earth’s closest star. 2.7.2 Recognize that there are predictable patterns which occur in the universe. a. Determine the approximate time of day, from the position of the sun in the sky. b. Recognize that the phases of the moon occur in a predictable pattern.

SRA Snapshots Simply Science™ Grade 2
Physical Science Unit 7: Characteristics of Matter

Program Components	Tennessee Science Curriculum Standards
Video Characteristics of Matter RAF “Irene’s Exploration” RANF “All About Matter” TIB pages 50, 51, 52, 53, 54, 55 BLM pages 130, 131, 132, 133, 134, 135, 136, 137, 138, 139 Cards 37, 38, 39, 40, 41, 42, 56, 66, 89	Content Standard: 12 Structure and Properties of Matter The student will investigate the characteristic properties of matter. 2.12.1 Recognize that objects have observable properties that can change over time and under different conditions. a. Identify physical properties that can be used to describe a material. b. Describe ways in which a material can be changed. Content Standard: 13 Interactions of Matter The student will investigate the interactions of matter. 2.13.1 Investigate the kinds of changes that occur when different types of matter interact. a. Recognize that when substances combine they may retain their individual properties (e.g., salt and pepper). b. Recognize that when substances combine they may lose their individual properties (e.g., powdered drink in water).

SRA Snapshots Simply Science™ Grade 2
Physical Science Unit 8: Forces and Motion

Program Components	Tennessee Science Curriculum Standards
Video Forces and Motion RAF “Carlos’s Skateboard” RANF “Motion, Magnets, and More!” TIB pages 56, 57, 58, 59, 60, 61 BLM pages 140, 141, 142, 143, 144, 145, 146, 147, 148, 149 Cards 43, 44, 45, 46, 47, 48, 71	Content Standard: 11 Forces and Motion The student will investigate the effects of force on the movements of objects. 2.11.1 Realize the basic concepts that forces can move objects (push/pull). a. Recognize that objects fall unless supported. b. Identify materials that are attracted to magnets. 2.11.2 Observe and predict how the weight of an object and its position affect balance. <ul style="list-style-type: none"> • Observe how changing the amount of weight affects a balanced system.

SRA Snapshots Simply Science™ Grade 2
Physical Science Unit 9: Energy Is Everywhere

Program Components	Tennessee Science Curriculum Standards
<p>Video Energy Is Everywhere RAF “The Low-Energy Band” RANF “All About Energy” TIB pages 62, 63, 64, 65, 66, 67 BLM pages 150, 151, 152, 153, 154, 155, 156, 157, 158, 159 Cards 41, 49, 50, 51, 52, 53, 54, 63, 69, 84, 86</p>	<p>Content Standard: 14.0 Energy The student will investigate energy and its uses. 2.14.1 Realize that the sun is the main source of earth’s heat and light energy. <ul style="list-style-type: none"> • Compare the heating and cooling rates of land, air, and water. 2.14.2 Recognize that sound is produced when objects vibrate.</p>