

SRA Snapshots Simply Science™
correlation to
New Mexico Science 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	New Mexico Science Standards
<p>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, 57, 60, 61, 64, 65, 67, 68, 69, 70, 71, 72, 73, 74, 76, 77, 78, 79, 80, 81, 83, 84, 85, 86, 87, 88, 89, 90</p>	<p>Strand II: Content of Science Standard II (Life Science): Understand the properties, structures, and processes of living things and the interdependence of living things and their environments. K-4 Benchmark: Know that living things have diverse forms, structures, functions, and habitats. 1. Know that living organisms (e.g., plants, animals) have needs (e.g., water, air, food, sunlight).</p> <p>Strand II: Content of Science Standard II (Life Science): Understand the properties, structures, and processes of living things and the interdependence of living things and their environments. K-4 Benchmark: Know that living things have similarities and differences and that living things change over time. 1. Identify differences between living things and nonliving things.</p>
<p>TIB page 19, Hands-On Science Activity Group <i>Living/Nonliving Things</i></p>	<p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark 1: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data. 1. Make observations, develop simple questions, and make comparisons of familiar situations (e.g., What does the seed look like when it starts to grow?).</p>

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

Program Components	New Mexico Science Standards
<p>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</p>	<p>Strand II: Content of Science Standard II (Life Science): Understand the properties, structures, and processes of living things and the interdependence of living things and their environments. K-4 Benchmark: Know that living things have diverse forms, structures, functions, and habitats. 2. Know that living organisms (e.g., plants, animals) inhabit various environments and have various external features to help them satisfy their needs (e.g., leaves, legs, claws).</p> <p>Strand II: Content of Science Standard II (Life Science): Understand the properties, structures, and processes of living things and the interdependence of living things and their environments. K-4 Benchmark: Know that living things have similarities and differences and that living things change over time. 2. Recognize the differences between mature and immature plants and animals (e.g., trees/seedlings, dogs/puppies, cats/kittens).</p>
<p>TIB page 25, Hands-On Science Activity <i>Looking at Plant Parts</i></p>	<p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark 1: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data. 1. Make observations, develop simple questions, and make comparisons of familiar situations (e.g., What does the seed look like when it starts to grow?).</p>

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

Program Components	New Mexico Science 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, 58, 62, 66, 75, 82</p>	<p>Strand II: Content of Science Standard II (Life Science): Understand the properties, structures, and processes of living things and the interdependence of living things and their environments. K-4 Benchmark: Know that living things have diverse forms, structures, functions, and habitats. 2. Know that living organisms (e.g., plants, animals) inhabit various environments and have various external features to help them satisfy their needs (e.g., leaves, legs, claws).</p>
<p>TIB page 31, Hands-On Science Activity <i>Habitat Mobiles</i></p>	<p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark 1: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data. 1. Make observations, develop simple questions, and make comparisons of familiar situations (e.g., What does the seed look like when it starts to grow?).</p>

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

Program Components	New Mexico Science 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 19, 20, 21, 22, 23, 24, 85, 90</p>	<p>This topic is not covered in the Grade 1 New Mexico Science 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 Grade 2.</i></p> <p>Strand II: Content of Science Standard III (Earth and Space Science): Understand the structure of Earth, the solar system, and the universe, the interconnections among them, and the processes and interactions of Earth’s systems. K-4 Benchmark II: Know the structure and formation of Earth and its atmosphere and the processes that shape them.</p> <ol style="list-style-type: none"> 1. Know that rocks have different shapes and sizes (e.g., boulders, pebbles, sand) and that smaller rocks result from the breaking and weathering of larger rocks. 2. Understand that rocks are made of materials with distinct properties. 3. Know that soil is made of weathered rock and organic materials, and that soils differ in their capacity to support the growth of plants.
<p>TIB page 37 Hands-On Science Activity <i>What Comes from Earth’s Surface?</i></p>	<p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark 1: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data.</p> <ol style="list-style-type: none"> 1. Make observations, develop simple questions, and make comparisons of familiar situations (e.g., What does the seed look like when it starts to grow?).

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

Program Components	New Mexico Science 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>Strand II: Content of Science Standard III (Earth and Space Science): Understand the structure of Earth, the solar system, and the universe, the interconnections among them, and the processes and interactions of Earth’s systems. K-4 Benchmark II: Know the structure and formation of Earth and its atmosphere and the processes that shape them.</p> <ol style="list-style-type: none"> 1. Know that simple tools can be used to measure weather conditions (e.g., thermometer, wind sock, hand held anemometer, rain gauge) and that measurements can be recorded from day to day and across seasons. 2. Know that there are different climates (e.g., desert, arctic, rainforest).
<p>TIB page 43, Hands-On Science Activity <i>Seasons</i></p>	<p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark 1: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data.</p> <ol style="list-style-type: none"> 1. Make observations, develop simple questions, and make comparisons of familiar situations (e.g., What does the seed look like when it starts to grow?).

SRA Snapshots Simply Science™ Grade 1

Earth Science Unit 6: Earth in Space

Program Components	New Mexico Science Standards
<p>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</p>	<p>Strand II: Content of Science Standard III (Earth and Space Science): Understand the structure of Earth, the solar system, and the universe, the interconnections among them, and the processes and interactions of Earth’s systems. K-4 Benchmark: Know the structure of the solar system and the objects in the universe. 1. Observe the changes that occur in the sky as day changes into night and night into day. 2. Describe the basic patterns of objects as they move through the sky: <ul style="list-style-type: none"> • Sun appears in the day • Moon appears at night but can sometimes be seen during the day • Sun and moon appear to move across the sky • Moon appears to change shape over the course of a month. 3. Recognize that the sun, moon, and stars all appear to move slowly across the sky.</p>
<p>TIB page 49, Hands-On Science Activity <i>Modeling Moon Phases</i></p>	<p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark 1: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data. 1. Make observations, develop simple questions, and make comparisons of familiar situations (e.g., What does the seed look like when it starts to grow?). 2. Describe relationships between objects (e.g., above, next to, below) and predict the results of changing the relationships (e.g., When that block moves, what will happen to the one next to it?).</p>

SRA Snapshots Simply Science™ Grade 1

Physical Science Unit 7: Properties of Matter

Program Components	New Mexico Science Standards
<p>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</p>	<p>Strand II: Content of Science Standard I (Physical Science): Understand the structure and properties of matter, the characteristics of energy, and the interactions between matter and energy. K-4 Benchmark I: Recognize that matter has different forms and properties. 1. Observe that the three states of matter (i.e., solids, liquids, and gases) have different properties (e.g., water can be liquid, ice, or steam). 2. Describe simple properties of matter (e.g., hardness, flexibility, transparency).</p>
<p>TIB page 55, Hands-On Science Activity <i>Making Mixtures</i></p>	<p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark 1: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data. 1. Make observations, develop simple questions, and make comparisons of familiar situations (e.g., What does the seed look like when it starts to grow?).</p>

SRA Snapshots Simply Science™ Grade 1
Physical Science Unit 8: Learning About Forces

Program Components	New Mexico Science Standards
<p>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</p>	<p>Strand II: Content of Science Standard I (Physical Science): Understand the structure and properties of matter, the characteristics of energy, and the interactions between matter and energy. K-4 Benchmark III: Identify forces and describe the motion of objects. 1. Describe ways to make things move, what causes them to stop, and what causes a change of speed, or change of direction. 2. Observe that gravity makes things fall to the ground unless something holds them up.</p>
<p>TIB page 61, Hands-On Science Activity <i>Big and Small Pushes</i></p>	<p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark 1: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data. 1. Make observations, develop simple questions, and make comparisons of familiar situations (e.g., What does the seed look like when it starts to grow?). 2. Describe relationships between objects (e.g., above, next to, below) and predict the results of changing the relationships (e.g., When that block moves, what will happen to the one next to it?).</p>

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

Program Components	New Mexico Science 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, 73</p>	<p>Strand II: Content of Science Standard I (Physical Science): Understand the structure and properties of matter, the characteristics of energy, and the interactions between matter and energy. K-4 Benchmark II: Know that energy is needed to get things done and that energy has different forms. 1. Observe and describe how energy produces changes (e.g., heat melts ice, gas makes car go uphill, electricity makes TV work).</p>
<p>TIB page 67, Hands-On Science Activity <i>Investigating Sound</i></p>	<p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark 1: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data. 1. Make observations, develop simple questions, and make comparisons of familiar situations (e.g., What does the seed look like when it starts to grow?).</p>

SRA Snapshots Simply Science™
correlation to
New Mexico Science 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.

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 2	
Life Science Unit 1: Organisms Are Living Things	
Program Components	New Mexico Science Standards
<p>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, 11, 55, 57, 59, 62, 64, 65, 70, 72, 73, 80, 83, 87, 88</p>	<p>This topic is not covered in the Grade 2 New Mexico Science Standards, however it aligns with National Science Education Content Standard C:</p> <p>Life Science—Students should develop an understanding of the characteristics of organisms, life cycles of organisms, and organisms and environments.</p> <p><i>See Grade 1.</i></p> <p>Strand II: Content of Science Standard II (Life Science): Understand the properties, structures, and processes of living things and the interdependence of living things and their environments. K-4 Benchmark: Know that living things have diverse forms, structures, functions, and habitats.</p> <ol style="list-style-type: none"> 1. Know that living organisms (e.g., plants, animals) have needs (e.g., water, air, food, sunlight). 2. Know that living organisms (plants, animals) inhabit various environments and have various external features to help them satisfy their needs (e.g., leaves, legs, claws). 3. Describe the differences among living organisms (e.g., plants, animals).
<p>TIB page 19, Hands-On Science Activity <i>Grouping Animals</i></p>	<p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark 1: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data.</p> <ol style="list-style-type: none"> 1. Conduct simple investigations (e.g., measure the sizes of plants of the same kind that are grown in sunlight and in shade). 4. Follow simple instructions for a scientific investigation.

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

Program Components	New Mexico Science 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>Strand II: Content of Science Standard II (Life Science): Understand the properties, structures, and processes of living things and the interdependence of living things and their environments. K-4 Benchmark: Know that living things have similarities and differences and that living things change over time. 1. Explain that stages of the life cycle are different for different animals (e.g., mouse, cat, horse, butterfly, frog). 2. Observe that many characteristics of the offspring of living organisms (e.g., plants, animals) are inherited from their parents.</p>
<p>TIB page 25, Hands-On Science Activity <i>Modeling a Life Cycle</i></p>	<p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark 1: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data. 1. Conduct simple investigations (e.g., measure the sizes of plants of the same kind that are grown in sunlight and in shade). 4. Follow simple instructions for a scientific investigation.</p>

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

Program Components	New Mexico Science 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, 55, 57, 59, 62, 64, 70, 72, 80, 83, 87, 88</p>	<p>Strand II: Content of Science Standard II (Life Science): Understand the properties, structures, and processes of living things and the interdependence of living things and their environments. K-4 Benchmark: Know that living things have similarities and differences and that living things change over time. 3. Observe how the environment influences some characteristics of living things (e.g., amount of sunlight required for plant growth).</p>
<p>TIB page 31, Hands-On Science Activity <i>Caterpillar Camouflage</i></p>	<p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark 1: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data. 1. Conduct simple investigations (e.g., measure the sizes of plants of the same kind that are grown in sunlight and in shade). 4. Follow simple instructions for a scientific investigation.</p>

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

Program Components	New Mexico Science 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 19, 20, 21, 22, 23, 24, 78, 79, 82, 89</p>	<p>Strand II: Content of Science Standard III (Earth and Space Science): Understand the structure of Earth, the solar system, and the universe, the interconnections among them, and the processes and interactions of Earth’s systems. K-4 Benchmark II: Know the structure and formation of Earth and its atmosphere and the processes that shape them. 1. Know that rocks have different shapes and sizes (e.g., boulders, pebbles, sand) and that smaller rocks result from the breaking and weathering of larger rocks. 2. Understand that rocks are made of materials with distinct properties. 3. Know that soil is made of weathered rock and organic materials, and that soils differ in their capacity to support the growth of plants.</p>
<p>TIB page 37, Hands-On Science Activity <i>Hand-Made Fossils</i></p>	<p>Strand I: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark 1: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data. 1. Conduct simple investigations (e.g., measure the sizes of plants of the same kind that are grown in sunlight and in shade). 4. Follow simple instructions for a scientific investigation.</p>

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

Program Components	New Mexico Science 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>Strand II: Content of Science Standard III (Earth and Space Science): Understand the structure of Earth, the solar system, and the universe, the interconnections among them, and the processes and interactions of Earth’s systems. K-4 Benchmark II: Know the structure and formation of Earth and its atmosphere and the processes that shape them. 4. Recognize the characteristics of the seasons.</p> <p><i>See also Grade 1.</i></p> <p>Strand II: Content of Science Standard III (Earth and Space Science): Understand the structure of Earth, the solar system, and the universe, the interconnections among them, and the processes and interactions of Earth’s systems. K-4 Benchmark II: Know the structure and formation of Earth and its atmosphere and the processes that shape them. 1. Know that simple tools can be used to measure weather conditions (e.g., thermometer, wind sock, hand held anemometer, rain gauge) and that measurements can be recorded from day to day and across seasons. 2. Know that there are different climates (e.g., desert, arctic, rainforest).</p>

Earth Science Unit 5 (continued)	
Program Components	New Mexico Science Standards
<p>TIB page 43, Hands-On Science Activity <i>What Can the Wind Blow?</i></p>	<p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark 1: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data. 1. Conduct simple investigations (e.g., measure the sizes of plants of the same kind that are grown in sunlight and in shade). 2. Use tools to provide information not directly available through only the senses (e.g., magnifiers, rulers, thermometers). 4. Follow simple instructions for a scientific investigation.</p> <p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark II: Use scientific thinking and knowledge and communicate findings. 2. Understand that predictions are based on observations, measurements, and cause-and-effect relationships.</p>
<p>SRA Snapshots Simply Science™ Grade 2 Earth Science Unit 6: Learning About Space</p>	
Program Components	New Mexico Science Standards
<p>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</p>	<p>Strand II: Content of Science Standard III (Earth and Space Science): Understand the structure of Earth, the solar system, and the universe, the interconnections among them, and the processes and interactions of Earth’s systems. K-4 Benchmark: Know the structure of the solar system and the objects in the universe. 1. Observe that the phase of the moon appears a little different every day but looks the same again after about four weeks. 2. Observe that some objects in the night sky are brighter than others. 3. Know that the sun is a star.</p>
<p>TIB page 49, Hands-On Science Activity <i>Stars in the Day Time</i></p>	<p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark 1: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data. 1. Conduct simple investigations (e.g., measure the sizes of plants of the same kind that are grown in sunlight and in shade). 4. Follow simple instructions for a scientific investigation.</p>

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

Program Components	New Mexico Science Standards
<p>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</p>	<p>Strand II: Content of Science Standard I (Physical Science): Understand the structure and properties of matter, the characteristics of energy, and the interactions between matter and energy. K-4 Benchmark I: Recognize that matter has different forms and properties. 1. Observe that properties of substances can change when they are mixed, cooled, or heated (e.g., salt dissolves in water, ice melts). 2. Describe the changes that occur when substances are heated or cooled and change from one state of matter to another (e.g., solid, liquid, and gas).</p>
<p>TIB page 55, Hands-On Science Activity <i>How Much Liquid?</i></p>	<p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark 1: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data. 1. Conduct simple investigations (e.g., measure the sizes of plants of the same kind that are grown in sunlight and in shade). 2. Use tools to provide information not directly available through only the senses (e.g., magnifiers, rulers, thermometers). 4. Follow simple instructions for a scientific investigation.</p> <p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark II: Use scientific thinking and knowledge and communicate findings. 2. Understand that predictions are based on observations, measurements, and cause-and-effect relationships.</p>

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

Program Components	New Mexico Science Standards
<p>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</p>	<p>Strand II: Content of Science Standard I (Physical Science): Understand the structure and properties of matter, the characteristics of energy, and the interactions between matter and energy. K-4 Benchmark III: Identify forces and describe the motion of objects. 1. Describe how the strength of a push or pull affects the change in an object’s motion (e.g., how a big or small push affects how high a swing rises). 2. Observe that electrically charged materials and magnets attract and repel each other, and observe their effects on other kinds of materials.</p>

Physical Science Unit 8 (continued)

Program Components	New Mexico Science Standards
<p>TIB page 61, Hands-On Science Activity <i>Magnets</i></p>	<p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark 1: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data. 1. Conduct simple investigations (e.g., measure the sizes of plants of the same kind that are grown in sunlight and in shade). 4. Follow simple instructions for a scientific investigation.</p> <p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark II: Use scientific thinking and knowledge and communicate findings. 2. Understand that predictions are based on observations, measurements, and cause-and-effect relationships.</p>

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

Program Components	New Mexico Science 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>Strand II: Content of Science Standard I (Physical Science): Understand the structure and properties of matter, the characteristics of energy, and the interactions between matter and energy. K-4 Benchmark II: Know that energy is needed to get things done and that energy has different forms. 1. Describe how heat can be produced (e.g., burning, rubbing, mixing some substances). 3. Describe the usefulness of some forms of energy (e.g., electricity, sunlight, wind, sound) and how energy (e.g., heat, light) can affect common objects (e.g., sunlight warms dark objects, heat melts candles). 4. Observe that sound is made by vibrating objects and describe it by its pitch and loudness.</p>
<p>TIB page 67, Hands-On Science Activity <i>Heat Energy</i></p>	<p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark 1: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data. 1. Conduct simple investigations (e.g., measure the sizes of plants of the same kind that are grown in sunlight and in shade). 4. Follow simple instructions for a scientific investigation.</p> <p>Strand 1: Scientific Thinking and Practice Standard 1: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark II: Use scientific thinking and knowledge and communicate findings. 2. Understand that predictions are based on observations, measurements, and cause-and-effect relationships.</p>