SRA Snapshots Simply Science™
correlation to
Massachusetts Science and Technology/Engineering Curriculum Framework
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	**Massachusetts Science and Technology/Engineering Curriculum Framework**
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, 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	**Strand: Life Science (Biology)** **Characteristics of Living Things** **1.** Animals and plants are living things that grow, reproduce, and need food, air, and water. **2.** Characteristics of living and nonliving things.
TIB page 19, Hands-On Science Activity *Group Living/Nonliving Things*	**Skills of Inquiry, Experimentation, and Design** • Ask questions about objects, organisms, and events in the environment. • Record observations and data with pictures, numbers, or written statements. • Discuss observations with others.

SRA Snapshots Simply Science™ Grade 1 **Life Science Unit 2: Learning About Plants**	
Program Components	**Massachusetts Science and Technology/Engineering Curriculum Framework**
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	**Strand: Life Science (Biology)** **Characteristics of Living Things** **3.** Plants and animals have life cycles that vary. **Heredity** **4.** Plants and animals closely resemble their parents in observed appearance. **Living Things and Their Environments** **7.** Animals and plants go through changes in appearance as the seasons change.
TIB page 25, Hands-On Science Activity *Looking at Plant Parts*	**Skills of Inquiry, Experimentation, and Design** • Ask questions about objects, organisms, and events in the environment. • Record observations and data with pictures, numbers, or written statements. • Discuss observations with others.

SRA Snapshots Simply Science™ Grade 1 Life Science Unit 3: Habitats Are Everywhere	
Program Components	**Massachusetts Science and Technology/Engineering Curriculum Framework**
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	**Strand: Life Science (Biology)** **Living Things and Their Environments** **6.** People and other animals interact with the environment through their senses. **8.** An organism's habitat provides for its basic needs.
TIB page 31, Hands-On Science Activity *Habitat Mobiles*	**Skills of Inquiry, Experimentation, and Design** • Ask questions about objects, organisms, and events in the environment. • Record observations and data with pictures, numbers, or written statements. • Discuss observations with others.

SRA Snapshots Simply Science™ Grade 1 Earth Science Unit 4: Learning About Earth's Surface	
Program Components	**Massachusetts Science and Technology/Engineering Curriculum Framework**
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	**Strand: Earth and Space Science** **Materials and Energy Resources** **1.** Water, rocks, soil, and living organisms are found on the earth's surface. **2.** Air is a mixture of gases all around us and wind is moving air.
TIB page 37 Hands-On Science Activity *What Comes from Earth's Surface?*	**Skills of Inquiry, Experimentation, and Design** • Ask questions about objects, organisms, and events in the environment. • Record observations and data with pictures, numbers, or written statements. • Discuss observations with others.

SRA Snapshots Simply Science™ Grade 1 Earth Science Unit 5: Weather on Earth	
Program Components	**Massachusetts Science and Technology/Engineering Curriculum Framework**
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, 90	**Strand: Earth and Space Science** **Materials and Energy Resources** **2.** Air is a mixture of gases all around us and wind is moving air. **Energy in the Earth System** **3.** Weather changes from day to day and over the seasons. **4.** The sun supplies heat and light to the earth and is necessary for life.
TIB page 43, Hands-On Science Activity *Seasons*	**Skills of Inquiry, Experimentation, and Design** • Ask questions about objects, organisms, and events in the environment. • Record observations and data with pictures, numbers, or written statements. • Discuss observations with others.

SRA Snapshots Simply Science™ Grade 1 Earth Science Unit 6: Earth in Space	
Program Components	**Massachusetts Science and Technology/Engineering Curriculum Framework**
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	**Strand: Earth and Space Science** **Energy in the Earth System** **4.** The sun supplies heat and light to the earth and is necessary for life. **Earth in the Solar System** **5.** Events around us have repeating patterns, including the seasons of the year and day and night.
TIB page 49, Hands-On Science Activity *Modeling Moon Phases*	**Skills of Inquiry, Experimentation, and Design** • Ask questions about objects, organisms, and events in the environment. • Record observations and data with pictures, numbers, or written statements. • Discuss observations with others.

SRA Snapshots Simply Science™ Grade 1 Physical Science Unit 7: Properties of Matter	
Program Components	**Massachusetts Science and Technology/Engineering Curriculum Framework**
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	**Strand: Physical Sciences (Chemistry)** **Properties of Materials and Matter** **1.** Observable properties of objects include size, shape, color, weight, and texture. **States of Matter, Kinetic Molecular Theory, and Thermochemistry** **2.** Objects and materials are solid, liquid, or gas. Solids have a definite shape; liquids and gases take the shape of their container.
TIB page 55, Hands-On Science Activity *Making Mixtures*	**Skills of Inquiry, Experimentation, and Design** • Ask questions about objects, organisms, and events in the environment. • Record observations and data with pictures, numbers, or written statements. • Discuss observations with others.

SRA Snapshots Simply Science™ Grade 1 Physical Science Unit 8: Learning About Forces	
Program Components	**Massachusetts Science and Technology/Engineering Curriculum Framework**
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	**Strand: Physical Sciences (Introductory Physics)** **Position and Motion of Objects** **3.** Objects can move in various ways. **4.** Change the motion of an object by applying a force. **5.** Objects can be balanced under some conditions.
TIB page 61, Hands-On Science Activity *Big and Small Pushes*	**Skills of Inquiry, Experimentation, and Design** • Ask questions about objects, organisms, and events in the environment. • Name and use simple equipment and tools (e.g., rulers, meter sticks, thermometers, hand lenses, and balances) to gather data and extend the senses. • Record observations and data with pictures, numbers, or written statements. • Discuss observations with others.

SRA Snapshots Simply Science™ Grade 1 Physical Science Unit 9: Heat, Light, and Sound	
Program Components	**Massachusetts Science and Technology/Engineering Curriculum Framework**
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** 49, 50, 51, 52, 53, 54	This topic is not covered in the **Grade 1 Massachusetts Science and Technology/Engineering Curriculum Framework,** however it aligns with **National Science Education Content Standard B:** **Physical Science—**Students should develop an understanding of properties of objects and materials, position and motion of objects, and light, heat, electricity, and magnetism.
TIB page 67, Hands-On Science Activity *Investigating Sound*	**Skills of Inquiry, Experimentation, and Design** • Ask questions about objects, organisms, and events in the environment. • Record observations and data with pictures, numbers, or written statements. • Discuss observations with others.

SRA Snapshots Simply Science™
correlation to
Massachusetts Science and Technology/Engineering Curriculum Framework
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	**Massachusetts Science and Technology/Engineering Curriculum Framework**
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	**Strand: Life Science (Biology)** **Characteristics of Living Things** **1.** Animals and plants are living things that grow, reproduce, and need food, air, and water.
TIB page 19, Hands-On Science Activity *Grouping Animals*	**Skills of Inquiry, Experimentation, and Design** • Ask questions about objects, organisms, and events in the environment. • Record observations and data with pictures, numbers, or written statements. • Discuss observations with others.
SRA Snapshots Simply Science™ Grade 2 **Life Science Unit 2: Learning About Animals**	
Program Components	**Massachusetts Science and Technology/Engineering Curriculum Framework**
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	**Strand: Life Science (Biology)** **Characteristics of Living Things** **3.** Plants and animals have life cycles that vary. **Heredity** **4.** Plants and animals closely resemble their parents in observed appearance.
TIB page 25, Hands-On Science Activity *Modeling a Life Cycle*	**Skills of Inquiry, Experimentation, and Design** • Ask questions about objects, organisms, and events in the environment. • Record observations and data with pictures, numbers, or written statements. • Discuss observations with others.

SRA Snapshots Simply Science™ Grade 2 **Life Science Unit 3: Ecosystems All Around**	
Program Components	**Massachusetts Science and Technology/Engineering Curriculum Framework**
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	**Strand: Life Science (Biology)** **Living Things and Their Environments** **6.** People and other animals interact with the environment through their senses. **7.** Animals and plants go through changes in appearance as the seasons change. **8.** An organism's habitat provides for its basic needs.
TIB page 31, Hands-On Science Activity *Caterpillar Camouflage*	**Skills of Inquiry, Experimentation, and Design** • Ask questions about objects, organisms, and events in the environment. • Record observations and data with pictures, numbers, or written statements. • Discuss observations with others.
SRA Snapshots Simply Science™ Grade 2 **Earth Science Unit 4: Earth's Natural Resources**	
Program Components	**Massachusetts Science and Technology/Engineering Curriculum Framework**
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	**Strand: Earth and Space Science** **Materials and Energy Resources** **1.** Water, rocks, soil, and living organisms are found on the earth's surface. **2.** Air is a mixture of gases all around us and wind is moving air. **Strand: Life Science (Biology)** **Evolution and Biodiversity** **5.** Fossils provide us with information about living things that inhabited the earth years ago.
TIB page 37, Hands-On Science Activity *Hand-Made Fossils*	**Skills of Inquiry, Experimentation, and Design** • Ask questions about objects, organisms, and events in the environment. • Record observations and data with pictures, numbers, or written statements. • Discuss observations with others.
SRA Snapshots Simply Science™ Grade 2 **Earth Science Unit 5: Weather and Water**	
Program Components	**Massachusetts Science and Technology/Engineering Curriculum Framework**
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	**Strand: Earth and Space Science** **Materials and Energy Resources** **2.** Air is a mixture of gases all around us and wind is moving air. **Energy in the Earth System** **3.** Weather changes from day to day and over the seasons. **4.** The sun supplies heat and light to the earth and is necessary for life.
TIB page 43, Hands-On Science Activity *What Can the Wind Blow?*	**Skills of Inquiry, Experimentation, and Design** • Ask questions about objects, organisms, and events in the environment. • Record observations and data with pictures, numbers, or written statements. • Name and use simple equipment and tools (e.g., rulers, meter sticks, thermometers, hand lenses, and balances) to gather data and extend the senses. • Discuss observations with others.

SRA Snapshots Simply Science™ Grade 2 Earth Science Unit 6: Learning About Space	
Program Components	**Massachusetts Science and Technology/Engineering Curriculum Framework**
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	**Strand: Earth and Space Science** **Energy in the Earth System** **4.** The sun supplies heat and light to the earth and is necessary for life. **Earth in the Solar System** **5.** Events around us have repeating patterns, including the seasons of the year, day, and night.
TIB page 49, Hands-On Science Activity *Stars in the Day Time*	**Skills of Inquiry, Experimentation, and Design** • Ask questions about objects, organisms, and events in the environment. • Record observations and data with pictures, numbers, or written statements. • Discuss observations with others.

SRA Snapshots Simply Science™ Grade 2 Physical Science Unit 7: Characteristics of Matter	
Program Components	**Massachusetts Science and Technology/Engineering Curriculum Framework**
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	**Strand: Physical Sciences (Chemistry)** **Properties of Materials and Matter** **1.** Observable properties of objects include size, shape, color, weight, and texture. **States of Matter, Kinetic Molecular Theory, and Thermochemistry** **2.** Objects and materials are solid, liquid, or gas. Solids have a definite shape; liquids and gases take the shape of their container.
TIB page 55, Hands-On Science Activity *How Much Liquid?*	**Skills of Inquiry, Experimentation, and Design** • Ask questions about objects, organisms, and events in the environment. • Record observations and data with pictures, numbers, or written statements. • Name and use simple equipment and tools (e.g., rulers, meter sticks, thermometers, hand lenses, and balances) to gather data and extend the senses. • Discuss observations with others.

SRA Snapshots Simply Science™ Grade 2 Physical Science Unit 8: Forces and Motion	
Program Components	**Massachusetts Science and Technology/Engineering Curriculum Framework**
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	**Strand: Physical Sciences (Introductory Physics)** **Position and Motion of Objects** **3.** Objects can move in various ways. **4.** Change the motion of an object by applying a force. **5.** Objects can be balanced under some conditions.
TIB page 61, Hands-On Science Activity *Magnets*	**Skills of Inquiry, Experimentation, and Design** • Ask questions about objects, organisms, and events in the environment. • Record observations and data with pictures, numbers, or written statements. • Discuss observations with others.

SRA Snapshots Simply Science™ Grade 2 Physical Science Unit 9: Energy Is Everywhere	
Program Components	**Massachusetts Science and Technology/Engineering Curriculum Framework**
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** 49, 50, 51, 52, 53, 54	This topic is not covered in the **Grade 2 Massachusetts Science and Technology/Engineering Curriculum Framework,** however it aligns with **National Science Education Content Standard B:** **Physical Science—**Students should develop an understanding of properties of objects and materials, position and motion of objects, and light, heat, electricity, and magnetism.
TIB page 67, Hands-On Science Activity *Heat Energy*	**Skills of Inquiry, Experimentation, and Design** • Ask questions about objects, organisms, and events in the environment. • Record observations and data with pictures, numbers, or written statements. • Discuss observations with others.