



**Correlated to 5th Grade Science Standards of Learning
January 2010**

The fifth-grade Standards emphasize the importance of selecting appropriate instruments for measuring and recording observations. The organization, analysis, and application of data continue to be an important focus of classroom inquiry.

Force, Motion and Energy

5.2 The student will investigate and understand how sound is created and transmitted and how it is used.

Sound and Hearing (My World of Science)	978-1-4329-1483-7	47.94	N	Heinemann-Raintree
Sound: A Question and Answer Book	978-1-4296-0673-8	47.70	U	Heinemann-Raintree
Sound Is Energy	A64864	46.00	--	Benchmark
Breaking the Sound Barrier (Light and Sound)	A64871	46.00	--	Benchmark
Feel the Noise! (Sound Energy)	978-1-4109-1979-3	47.94	L	Heinemann-Raintree
Sound: Listen Up! (Science in Your Life)	978-1-4109-2069-0	47.94	P	Heinemann-Raintree
Light and Color (Light and Sound)	A64888	49.00	--	Benchmark
Light and Sound (Physical Science)	978-1-4109-3388-1	53.94	Q	Heinemann-Raintree
Light and Sound Technology	A62280	48.00	R	Benchmark

5.3 The student will investigate and understand basic characteristics of visible light and how it behaves.

Light and Color (Light and Sound)	A64888	49.00	--	Benchmark
Light and Sound (Physical Science)	978-1-4109-3388-1	53.94	Q	Heinemann-Raintree
Light and Sound Technology	A62280	48.00	R	Benchmark
The Illuminating World of Light with Max Axiom, Super Scientist	978-1-4296-2054-3	47.70	R	Heinemann-Raintree
Thomas Edison and the Light Bulb	978-0-7368-9763-1	47.70	T	Heinemann-Raintree
Light From Sun to Bulbs (Science Answers)	978-1-4034-3557-6	47.94	V	Heinemann-Raintree
Light A Question and Answer Book	978-1-4296-0671-4	47.70	U	Heinemann-Raintree
Voyage of a Light Beam (Light Energy)	978-1-4109-2005-8	47.94	L	Heinemann-Raintree

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Matter

5.4 The student will investigate and understand that matter is anything that has mass, takes up space; and occurs as a solid, liquid, or gas.

Solids, Liquids, and Gases: From Ice Cubes to Bubbles(Science Answers)	978-1-4034-3559-0	47.94	V	Heinemann-Raintree
Atoms (How Can I Experiment With...?)	9781589520080	53.94	--	Rourke
Changing States (Do It Yourself)	978-1-4329-2326-6	53.94	W	Heinemann-Raintree
State of Confusion: Solids, Liquids and Gases	978-1-4109-2884-9	47.94	L	Heinemann-Raintree
Liquids and Gases	A50714	44.00	P	Benchmark
Solids	A34794	44.00	N	Benchmark
Measuring Matter	A50706	44.00	O	Benchmark
Fighter Jet: Atoms and Molecules	978-1-4109-2885-6	47.94	L	Heinemann-Raintree
The Properties of Elements and Compounds	978-1-4109-3275-4	53.94	R	Heinemann-Raintree
The Particle Model of Matter	978-1-4109-3274-7	53.94	R	Heinemann-Raintree
<i>Matter Comes in All Shapes (My Sci Library)</i>	<i>978-1-61741-941-6</i>	<i>7.95</i>	<i>J</i>	<i>Rourke</i>
<i>Melting Matter (My Science Library)</i>	<i>978-1-61741-954-6</i>	<i>7.95</i>	<i>N</i>	<i>Rourke</i>

Living Systems

5.5 The student will investigate and understand that organisms are made of one or more cells and have distinguishing characteristics that play a vital role in the organism's ability to survive and thrive in its environment.

Cells, Tissues, and Organs (The Human Machine)	978-1-4329-0918-5	47.94	U	Heinemann-Raintree
Cell Function and Specialization	978-1-4109-3268-6	53.94	Q	Heinemann-Raintree
What Makes a Plant a Plant?	A62297	48.00	Q	Benchmark
Body Systems: Human Cells	A50862	48.00	U	Benchmark

Interrelationships in Earth/Space Systems

5.6 The student will investigate and understand characteristics of the ocean environment.

Explore the Ocean	978-0-7368-9741-9	47.70	P	Heinemann-Raintree
Oceans and Seas (Mapping Earthforms)	978-1-4034-9623-2	47.94	R	Heinemann-Raintree

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Inside a Coral Reef: (Amazing Journeys)	978-1-4034-8804-6	47.94	O	Heinemann-Raintree
Oceans (My World of Geography)	978-1-4034-5611-3	47.94	M	Heinemann-Raintree
<i>Oceans (Landforms)</i>	978-1-60694-923-8	8.95	--	<i>Rourke</i>

Earth Patterns, Cycles, and Change

5.7 The student will investigate and understand how the Earth's surface is constantly changing.

Weathering and Erosion (What Changes Our Earth)	A46008	46.00	--	Benchmark
Earthquake! (What Changes Our Earth)	A45931	46.00	--	Benchmark
Earth's Changing Crust: Plate Tectonics and Extreme Events (Earth's Processes)	978-1-4034-7070-6	47.94	S	Heinemann-Raintree
The Water Cycle: Evaporation, Condensation and Erosion (Earth's Processes)	978-1-4034-7073-7	47.94	S	Heinemann-Raintree
Rock Cycles: Formation, Properties, and Erosion (Earth's Processes)	978-1-4034-7071-3	47.94	S	Heinemann-Raintree
The Explosive World of Volcanoes with Max Axiom, Super Scientist	978-1-4296-2053-6	47.70	R	Heinemann-Raintree
The Earth-Shaking Facts about Earthquakes with Max Axiom, Super Scientist	978-1-4296-2052-9	47.70	V	Heinemann-Raintree
Earth: Fast Changes (Bridges)	A76805	49.00	M	Benchmark
Earth: Fast Changes (Navigators)	A50781	48.00	Q	Benchmark
Earth: Measuring Its Changes (Bridges)	A76799	49.00	M	Benchmark
Earth: Measuring Its Changes (Navigators)	A50803	48.00	R	Benchmark
Earth: Slow Changes (Bridges)	A76782	49.00	L	Benchmark
Earth: Slow Changes (Navigators)	A5079X	48.00	Q	Benchmark
Learning about the Effects of Natural Events with Graphic Organizers	978-1-4042-5039-0	42.00	Y	Rosen
Learning about Rocks, Weathering and Erosion with Graphic Organizers	978-1-4042-5043-3	42.00	Y	Rosen
Earthquakes and Volcanoes: A Survival Guide	978-1-4109-1989-2	47.94	L	Heinemann-Raintree
Crystals (Geology Rocks!)	978-1-4109-2791-0	53.94	O	Heinemann-Raintree
Soil (Geology Rocks!)	978-1-4109-2793-4	53.94	O	Heinemann-Raintree
Fossils (Geology Rocks!)	978-1-4109-2792-7	53.94	O	Heinemann-Raintree

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Minerals (Geology Rocks!)	978-1-4109-2790-3	53.94	O	Heinemann-Raintree
Igneous Rock (Geology Rocks!)	978-1-4109-2787-3	53.94	O	Heinemann-Raintree
Metamorphic Rock (Geology Rocks!)	978-1-4109-2789-7	53.94	O	Heinemann-Raintree
Sedimentary Rock (Geology Rocks!)	978-1-4109-2788-0	53.94	O	Heinemann-Raintree
Earth Erupts: Volcanoes (Turbulent Planet)	978-1-4109-1755-3	53.94	O	Heinemann-Raintree
Crumbling Earth: Erosion & Landslides (Turbulent Planet)	978-1-4109-1761-4	53.94	O	Heinemann-Raintree
The Disappearing Mountain and Other Earth Mysteries: Erosion and Weathering	978-1-4109-1986-1	47.94	L	Heinemann-Raintree
To The Core: Earth's Structure	978-1-4109-2635-7	47.94	L	Heinemann-Raintree
<i>Earth's Changing Surface (My Sci Library)</i>	<i>978-1-61741-938-6</i>	<i>7.95</i>	<i>J</i>	<i>Rourke</i>

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