



**Correlated to 2nd Grade Science Standards of Learning
January 2010**

The second-grade Standards continue to focus on using a broad range of science skills in understanding the natural world. Making detailed observations, drawing conclusions and recognizing unusual or unexpected data are stressed as skills needed for using and validating information.

Force, Motion and Energy

2.2 The student will investigate and understand that natural and artificial magnets have certain characteristics and attract specific types of metals.

Magnets (My World of Science)	978-1-4329-1480-6	47.94	L	Heinemann-Raintree
Magnetic and Nonmagnetic (My World of Science)	978-1-4329-1491-2	47.94	L	Heinemann-Raintree
Magnets (Science All Around Me)	978-1-4034-2267-5	44.94	N	Heinemann-Raintree
Everyday Physical Science Experiments with Magnetism	978-1-4042-5188-5	48.00	M	Rosen
Magnets Pulling Together, Pushing Apart	978-1-4048-1433-2	47.40	M	Heinemann-Raintree
The Attractive Story of Magnetism with Max Axiom, Super Scientist	978-1-4296-2051-2	47.70	R	Heinemann-Raintree
Investigating Magnets (Forces and Motion)(big book)	Y09818	34.00	--	Benchmark
Investigating Magnets (Forces and Motion)	Y09794	34.00	--	Benchmark
<i>Magnet Power (My Science Library)</i>	<i>978-1-61741-942-3</i>	<i>7.95</i>	<i>J</i>	<i>Rourke</i>

Matter

2.3 The student will investigate and understand basic properties of solids, liquids and gases.

Measuring Matter: Solids, Liquids, and Gases	A46032	46.00	--	Benchmark
This is Matter: Solids, Liquids, and Gases	A45966	46.00	--	Benchmark
Solids, Liquids, and Gases	978-1-4329-1482-0	47.94	L	Heinemann-Raintree
Matter: See It, Touch It, Taste It, Smell It	978-1-4048-1434-9	47.70	N	Heinemann-Raintree
Changing Matter (Matter)(big book)	Y09816	34.00	--	Benchmark
Changing Matter (Matter)	Y09792	34.00	--	Benchmark
Solids, Liquids & Gases (Matter)(big book)	Y09834	34.00	--	Benchmark
Solids, Liquids & Gases (Matter)	Y09810	34.00	--	Benchmark
Sorting Matter (Matter)(big book)	Y09835	34.00	--	Benchmark

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Sorting Matter (Matter)	Y09811	34.00	--	Benchmark
<i>Solid or Liquid? (My Science Library)</i>	<i>978-1-61741-928-7</i>	<i>7.95</i>	<i>D</i>	<i>Rourke</i>
<i>Matter Comes in All Shapes (My Sci Lib)</i>	<i>978-1-91741-941-6</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>
<i>Where Did the Water Go? (My Sci Library)</i>	<i>978-1-61741-953-9</i>	<i>7.95</i>	<i>M</i>	<i>Rourke</i>

Life Processes

2.4 The student will investigate and understand that plants and animals undergo a series of orderly changes as they mature and grow.

The Life Cycle of Plants	A62242	44.00	O	Benchmark
Discover The Life Cycle of Oak Trees	A64727	46.00	--	Benchmark
Plants and the Seasons (big book)	Y02473	34.00	--	Benchmark
An Oak Tree Has a Life Cycle (big book)	Y02458	34.00	--	Benchmark
An Oak Tree Has a Life Cycle (6-pk)	Y01819	34.00	--	Benchmark
How Do Plants Grow?	978-0-8239-8546-3	33.00	J	Rosen
Plant Life Cycles (Nature's Patterns)	978-1-4109-1325-8	47.94	M	Heinemann-Raintree
Apples, Apples Everywhere! Learning about Apple Harvests	978-1-4048-6414-6	47.70	I	Heinemann-Raintree
From Seed to Sunflower	978-1-4034-7875-7	47.94	M	Heinemann-Raintree
How Do Trees Grow?	978-0-8239-8538-8	33.00	K	Rosen
Grow a Plant Inch by Inch	978-0-8239-9524-0	30.00	E	Rosen
The Parts of a Plant (big book)	Y02472	34.00	--	Benchmark
The Parts of a Plant (6-pk)	Y01817	34.00	--	Benchmark
A Frog's Life: Learning Sequential Order Using a Timeline (big book)	978-0-8239-7637-8	28.95	J	Rosen
A Frog's Life: Learning Sequential Order Using a Timeline (6-pk)	978-0-8239-7433-7	32.95	J	Rosen
Becoming a Butterfly	978-0-8239-8606-4	30.00	D	Rosen
A Frog's Life (Watch it Grow)	978-1-4329-4158-1	35.94	I	Heinemann-Raintree
A Butterfly's Life (Watch it Grow)	978-1-4329-4156-7	35.94	I	Heinemann-Raintree
Why Do Plants Have Flowers? (World of Plants)	978-1-4034-7373-8	47.94	N	Heinemann-Raintree
Animal Life Cycles (Nature's Patterns)	978-1-4109-1323-4	47.94	M	Heinemann-Raintree
A Sunflower's Life (Watch It Grow)	978-1-4329-4162-8	35.94	H	Heinemann-Raintree

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From Seed to Apple (How Living Things Grow)	978-1-4034-7880-1	47.94	M	Heinemann-Raintree
A Turtle's Life (Watch It Grow)	978-1-4329-4237-3	35.94	--	Heinemann-Raintree
From Egg to Spider (How Living Things Grow)	978-1-4034-7878-8	47.94	M	Heinemann-Raintree
<i>Ants (Insects Discovery Library)</i>	978-1-59515-738-6	7.95	--	<i>Rourke</i>
Life Cycle of Bees, The	A64680	46.00	--	Benchmark
A Bee's Life (Watch It Grow)	978-1-4329-4155-0	35.94	I	Heinemann-Raintree
<i>Apple Trees and the Seasons (My Science Lib)</i>	978-1-61741-924-9	7.95	C	<i>Rourke</i>
<i>How Do Plants Grow? (My Science Library)</i>	978-1-61741-923-2	7.95	C	<i>Rourke</i>
<i>Plant Life Cycles (My Science Library)</i>	978-1-61741-936-2	7.95	I	<i>Rourke</i>
<i>Seeds, Bees and Pollen (My Science Library)</i>	978-1-61741-950-8	7.95	L	<i>Rourke</i>
<i>Plants Make Their Own Food (My Sci Library)</i>	978-1-61741-949-2	7.95	L	<i>Rourke</i>

Living Systems

2.5 The student will investigate and understand that living things are part of a system.

Air (What Living Things Need)	978-1-4034-7894-8	38.94	J	Heinemann-Raintree
Homes (What Living Things Need)	978-1-4034-7897-9	38.94	K	Heinemann-Raintree
Light (What Living Things Need)	978-1-4034-7898-6	38.94	J	Heinemann-Raintree
Food (What Living Things Need)	978-1-4034-7896-2	38.94	J	Heinemann-Raintree
Water (What Living Things Need)	978-1-4034-7895-5	38.94	I	Heinemann-Raintree
What if There Were No Bees? A Book about the Grassland Ecosystem	978-1-4048-6428-3	52.63	--	Heinemann-Raintree
Living and Nonliving	978-1-4296-2894-5	35.70	G	Heinemann-Raintree
Plants in Their Habitats	Y01816	34.00	--	Benchmark
Animals and the Seasons (big book)	Y02459	34.00	--	Benchmark
Animals and the Seasons (6-pk)	Y01820	34.00	--	Benchmark
What Do Animals Need? (big book)	Y02479	34.00	--	Benchmark
What Do Animals Need? (6-pk)	Y01813	34.00	--	Benchmark
Animals in Their Habitat	Y01815	34.00	--	Benchmark
Plants and the Seasons (big book)	Y02473	34.00	--	Benchmark
<i>Animal Habitats (My Science Library)</i>	978-1-61741-934-8	7.95	H	<i>Rourke</i>

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Interrelationships in Earth/Space Systems

2.6 The student will investigate and understand basic types, changes and patterns of weather.

A Week of Weather: Learning to Collect and Record Data on a Pictograph (big book)	978-0-8239-7630-0	25.95	B	Rosen
Temperature, Heating Up and Cooling Down	978-1-4048-1438-7	47.70	M	Heinemann-Raintree
Rumble, Boom! A Book About Thunderstorms	978-1-4048-1853-8	47.70	K	Heinemann-Raintree
The Power of Storms	A45885	46.00	--	Benchmark
Weather and Climate	A45877	46.00	--	Benchmark
Drought (Wild Weather)	978-1-4034-9594-5	47.94	L	Heinemann-Raintree
Thunderstorms (Wild Weather)	978-1-4034-9595-2	47.94	L	Heinemann-Raintree
Flood (Wild Weather)	978-1-4034-9595-2	47.94	L	Heinemann-Raintree
Weather Tools	Y00741	34.00	E	Benchmark
Hurricanes and Tropical Storms	978-0-8239-8626-2	33.00	I	Rosen
Dangerous Droughts	978-0-8239-8543-2	33.00	K	Rosen
The Weather Report	978-0-8239-8610-1	30.00	D	Rosen
Measuring the Weather	978-1-4358-0106-6	36.00	J	Rosen
Rising Waters: A Book About Floods	978-1-4048-1852-1	47.70	J	Heinemann-Raintree
Weather Patterns (Nature's Patterns)	978-1-4034-5893-3	47.94	N	Heinemann-Raintree
Season to Season (Nature's Patterns)	9781--4109-1326-5	47.94	N	Heinemann-Raintree
Air (What Living Things Need) *	978-1-4034-7894-8	38.94	J	Heinemann-Raintree
Homes (What Living Things Need) *	978-1-4034-7897-9	38.94	K	Heinemann-Raintree
Light (What Living Things Need) *	978-1-4034-7898-6	38.94	J	Heinemann-Raintree
Food (What Living Things Need)*	978-1-4034-7896-2	38.94	J	Heinemann-Raintree
Water (What Living Things Need)*	978-1-4034-7895-5	38.94	I	Heinemann-Raintree
Learning about Weather with Graphic Organizers	978-1-4042-5037-6	42.00	Z	Rosen
Weather (lap book)	978-1-4329-2284-9	8.95	--	Heinemann-Raintree
<i>What's the Weather Like Today?</i>	978-1-61741-939-3	7.95	K	Rourke
<i>Earth Is Tilting! (My Science Library)</i>	978-1-91741-952-2	7.95	M	Rourke

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Earth Patterns, Cycles and Change

2.7 The student will investigate and understand that weather and seasonal changes affect plants, animals and their surroundings.

Animals and the Seasons (big book)	Y02459	34.00	--	Benchmark
Animals and the Seasons (6-pk)	Y01820	34.00	--	Benchmark
What Do Animals Need? (big book)	Y02479	34.00	--	Benchmark
What Do Animals Need? (6-pk)	Y01813	34.00	--	Benchmark
Plants and the Seasons (6-pk)	Y01821	34.00	--	Benchmark
Erosion	A7067	39.00	J	Benchmark
Migration (Nature's Patterns)	978-1-4034-5891-9	47.94	L	Heinemann-Raintree
Hibernation (Nature's Patterns)	978-1-4109-1324-1	47.94	M	Heinemann-Raintree
Rocks and Soil (Earth and Space)(big book)	Y09833	34.00	--	Benchmark
Rocks and Soil (Earth and Space)	Y09809	34.00	--	Benchmark
<i>Apple Trees and the Seasons (My Sci Library)</i>	<i>978-1-61741-924-9</i>	<i>7.95</i>	<i>C</i>	<i>Rourke</i>
<i>Earth Is Tilting! (My Science Library)</i>	<i>978-1-61741-952-2</i>	<i>7.95</i>	<i>M</i>	<i>Rourke</i>

Earth Resources

2.8 The student will investigate and understand that plants produce oxygen and food, are a source of useful products and provide benefits in nature.

Ethanol and Other New Fuels (Energy for Today)	978-1-4339-0429-5	35.70	N	Gareth Stevens
Using Coal, Oil, and Gas (Exploring Earth's Resources)	978-1-4034-9334-7	38.94	K	Heinemann-Raintree
Natural and Human-Made	978-1-4296-2895-2	35.70	H	Heinemann-Raintree
Cotton Plant to Cotton Shirt	A7008	39.00	J	Benchmark
Cotton (Materials, Materials, Materials)	978-1-4034-1554-7	47.94	L	Heinemann-Raintree
Paper (Materials, Materials, Materials)	978-1-4034-4107-2	47.94	M	Heinemann-Raintree
Wood (Materials, Materials, Materials)	978-1-4034-4109-6	47.94	M	Heinemann-Raintree
Soil (Materials, Materials, Materials)	978-1-4034-1557-8	47.94	M	Heinemann-Raintree
Rubber (Materials, Materials, Materials)	978-1-4034-1556-1	47.94	M	Heinemann-Raintree
Glass (Materials)	978-1-4329-1638-1	35.94	D	Heinemann-Raintree
Metal (Materials)	978-1-4329-1936-7	35.94	D	Heinemann-Raintree

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Plastic (Materials)	978-1-4329-1637-4	35.94	D	Heinemann-Raintree
Rock (Materials)	978-1-4329-1640-4	35.94	C	Heinemann-Raintree
Rubber (Materials)	978-1-4329-1639-8	35.94	D	Heinemann-Raintree
Soil (Materials)	978-1-4329-1641-1	35.94	D	Heinemann-Raintree
Water (Materials)	978-1-4329-1642-8	35.94	D	Heinemann-Raintree
Wood (Materials)	978-1-4329-1635-0	35.94	D	Heinemann-Raintree
<i>Comparing Materials (lap book)</i>	<i>978-1-4329-1689-3</i>	<i>8.95</i>	<i>---</i>	<i>Heinemann-Raintree</i>
<i>Plants Make Their Own Food (My Sci Lib)</i>	<i>978-1-61741-949-2</i>	<i>7.95</i>	<i>L</i>	<i>Rourke</i>

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