



Correlation

Standards of Learning for Virginia

Science

Grade Two

**For more information about this correlation,
a quote or to place an order, please contact:**

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April 2016

**Standards of Learning for Virginia
Science
Grade Two**

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. Measurement in both English and metric units is stressed. The idea of living systems is introduced through habitats and the interdependence of living and nonliving things. The concept of change is explored in phases of matter, life cycles, weather patterns, and seasonal effects on plants and animals.

Scientific Investigation, Reasoning and Logic

2.1 The student will demonstrate an understanding of scientific reasoning, logic, and the nature of science by planning and conducting investigations.

Answer! Analyze Your Data	M/870	978-1-4777-3088-1	42.00	Rosen Classroom
Brady Makes a Weather Graph (Infomax CC Readers) *	L/620	978-1-4777-2461-3	42.00	Rosen Classroom
Does This Make Sense? Constructing Explanations	O/740	978-1-4042-4064-3	42.00	Rosen Classroom
Guess! Research and Form a Hypothesis	Q/1030	978-1-4777-3085-0	42.00	Rosen Classroom
Look! Make Observations and Ask Questions	M/870	978-1-4777-3084-3	42.00	Rosen Classroom
Predict! Plan an Experiment	N/900	978-1-4777-3086-7	42.00	Rosen Classroom
Share! Present Your Findings	P/980	978-1-4777-3089-8	42.00	Rosen Classroom
Sorting It Out: Evaluating Data	O/740	978-1-4042-4065-0	42.00	Rosen Classroom
Test! Collect and Document Data	O/960	978-1-4777-3087-4	42.00	Rosen Classroom
What Did You Find Out? Reporting Conclusions	N/690	978-1-4042-4068-1	42.00	Rosen Classroom
What's the Big Idea? Forming Hypotheses	M/570	978-1-4042-4066-7	42.00	Rosen Classroom

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.

Everyday Physical Science Experiments with Magnetism	M	978-1-4042-5188-5	48.00	Rosen Classroom
Investigating Magnets (Forces and Motion)	--	Y09794	38.00	Benchmark Education
<i>Investigating Magnets (Forces and Motion)(big book)</i>	--	Y09818	38.00	<i>Benchmark Education</i>
Magnet Magic!	I/520	978-1-5081-1318-8	48.00	Rosen Classroom
<i>Magnet Power (My Science Library)</i>	J/550L	978-1-61741-942-3	8.95	<i>Rourke Ed Media</i>
Magnets: Pulling Together, Pushing Apart	M/780L	978-1-4048-1433-2	48.70	Capstone Classroom
The Attractive Story of Magnetism with Max Axiom, Super Scientist	V/830L	978-1-4296-2051-2	48.70	Capstone Classroom

Title	GR / Lexile	ISBN/Code No.	Six-pack Price	Publisher
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Titles in italics are single copy; order six to make a six-pack.

Matter

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

Changing Matter	--	Y09792	38.00	Benchmark Education
<i>Changing Matter (big book)</i>	--	Y09816	38.00	<i>Benchmark Education</i>
<i>Matter Comes in All Shapes (My Science Library)</i>	J/320L	978-1-61741-941-6	8.95	<i>Rourke Ed Media</i>
Matter: See It, Touch It, Taste It, Smell It	N/420L	978-1-4048-1434-9	48.70	Capstone Classroom
Measuring Matter: Solids, Liquids, and Gases	K/380L	A46032	53.00	Benchmark Education
<i>Melting Matter (My Science Library)</i>	N/560L	978-1-61741-954-6	8.95	<i>Rourke Ed Media</i>
Our Water Experiment	F/360	978-1-5081-1316-4	48.00	Rosen Classroom
Science Lab Tools	K/560	978-1-5081-1322-5	48.00	Rosen Classroom
Solids, Liquids and Gases (Matter)	--	Y09810	38.00	Benchmark Education
<i>Solids, Liquids and Gases (Matter)(big book)</i>	--	Y09834	38.00	<i>Benchmark Education</i>
<i>Solid or Liquid (My Science Library)</i>	D/70	978-1-61741-928-7	8.95	<i>Rourke Ed Media</i>
Sorting Matter	--	Y09811	38.00	Benchmark Education
<i>Sorting Matter (big book)</i>	--	Y09835	38.00	<i>Benchmark Education</i>
This is Matter: Solids, Liquids, and Gases	H/140L	A45966	53.00	Benchmark Education
<i>Where Did the Water Go? (My Science Library)</i>	M/500L	978-1-61741-953-9	8.95	<i>Rourke Ed Media</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.

A Bee's Life (Watch It Grow)	F/280L	978-1-4329-4155-0	38.74	Capstone Classroom
A Butterfly's Life (Watch it Grow)	F/310L	978-1-4329-4156-7	38.74	Capstone Classroom
A Frog's Life	J	978-0-8239-7433-7	36.00	Rosen Classroom
A Frog's Life (Watch it Grow)	F/300L	978-1-4329-4158-1	38.74	Capstone Classroom
A Sunflower's Life (Watch It Grow)	F/260L	978-1-4329-4162-8	38.74	Capstone Classroom
A Tadpole Grows Up	D/450	978-1-5081-1314-0	48.00	Rosen Classroom
A Tree's Life (Infomax CC Readers)	L/630	978-1-4777-2629-7	42.00	Rosen Classroom
A Turtle's Life (Watch It Grow)	F/310L	978-1-4329-4237-3	38.74	Capstone Classroom
An Oak Tree Has a Life Cycle	H/590L	Y01819	38.00	Benchmark Education
<i>An Oak Tree Has a Life Cycle (big book)</i>	H/590L	Y02458	38.00	<i>Benchmark Education</i>
<i>Ants (Discovery Library)</i>	D	978-1-59515-738-6	8.95	<i>Rourke Ed Media</i>
<i>Apple Trees and the Seasons (My Science Library) *</i>	C/420L	978-1-61741-924-9	8.95	<i>Rourke Ed Media</i>
Apples, Apples Everywhere! Learning about Apple Harvests	I/410L	978-1-4048-6414-6	48.70	Capstone Classroom
Becoming a Butterfly	D	978-0-8239-8606-4	30.00	Rosen Classroom
Caterpillars and Butterflies (Infomax CC Readers)	I/480	978-1-4777-2264-0	42.00	Rosen Classroom
Discover The Life Cycle of Oak Trees	G/340L	A64727	53.00	Benchmark Education
Grow a Plant Inch by Inch	E	978-0-8239-9524-0	30.00	Rosen Classroom
How Do Plants Grow?	J	978-0-8239-8546-3	33.00	Rosen Classroom
<i>How Do Plants Grow? (My Science Library)</i>	C/450L	978-1-61741-923-2	8.95	<i>Rourke Ed Media</i>
How Do Trees Grow?	K	978-0-8239-8538-8	33.00	Rosen Classroom
I Can Grow Plants! (Infomax CC Readers)	D/290	978-1-4488-8990-7	42.00	Rosen Classroom

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In the Garden	C/300	978-1-5081-1306-5	42.00	Rosen Classroom
Know Your Leaves (Infomax CC Readers)	J/560	978-1-4777-2425-5	42.00	Rosen Classroom
<i>Plant Life Cycles (My Science Library)</i>	I/490L	978-1-61741-936-2	8.95	<i>Rourke Ed Media</i>
Plants and Animals of the Chesapeake Bay *	L	978-1-4339-9782-2	53.70	Gareth Stevens Cl
Plants and the Seasons *	H/570L	Y01821	38.00	Benchmark Education
<i>Plants and the Seasons (big book) *</i>	H/570L	Y02473	38.00	<i>Benchmark Education</i>
<i>Plants Make Their Own Food (My Science Library) *</i>	L/730L	978-1-61741-949-2	8.95	<i>Rourke Ed Media</i>
<i>Seeds, Bees and Pollen (My Science Library)</i>	L/740L	978-1-61741-950-8	8.95	<i>Rourke Ed Media</i>
The Life Cycle of Bees	I/360L	A64680	53.00	Benchmark Education
The Life Cycle of Plants	O/740L	A62242	49.00	Benchmark Education
The Parts of a Plant	J460L	Y01817	38.00	Benchmark Education
<i>The Parts of a Plant (big book)</i>	J/460L	Y02472	38.00	<i>Benchmark Education</i>

Living Systems

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

<i>Animal Habitats (My Science Library)</i>	H/560L	978-1-61741-934-8	8.95	<i>Rourke Ed Media</i>
Animals and the Seasons *	M/560L	Y01820	38.00	Benchmark Education
<i>Animals and the Seasons (big book) *</i>	M560L	Y02459	38.00	<i>Benchmark Education</i>
Animals in Their Habitats	K/720L	Y01815	38.00	Benchmark Education
Freshwater or Salt Water? (Infomax CC Readers)	K/520	978-1-4777-2373-9	42.00	Rosen Classroom
How Bugs and Plants Live Together	L/560	978-1-5081-1325-6	48.00	Rosen Classroom
Life in an Aquarium (Infomax CC Readers)	I/520	978-1-4777-2411-8	42.00	Rosen Classroom
Plants and Animals of the Chesapeake Bay *	L	978-1-4339-9782-2	53.70	Gareth Stevens Cl
Plants and the Seasons *	H/570L	Y01821	38.00	Benchmark Education
<i>Plants and the Seasons (big book) *</i>	H/570L	Y02473	38.00	<i>Benchmark Education</i>
Plants in Their Habitats	620L	Y01816	38.00	Benchmark Education
Saving the Chesapeake Bay *	L	978-1-4339-9786-0	53.70	Gareth Stevens Cl
What Do Animals Need? *	N/510L	Y01813	38.00	Benchmark Education
<i>What Do Animals Need? (big book) *</i>	N/510L	Y02479	38.00	<i>Benchmark Education</i>
What if There Were No Bees? A Book about the Grassland Ecosystem	N/890	978-1-4048-6428-3	54.70	Capstone Classroom
Why Do Animals Hibernate? (Infomax CC Readers)	D/380	978-1-4488-8996-9	42.00	Rosen Classroom

Interrelationships in Earth/Space Systems

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

Brady Makes a Weather Graph (Infomax CC Readers) *	L/620	978-1-4777-2461-3	42.00	Rosen Classroom
Clouds!	J/540	978-1-5081-1320-1	48.00	Rosen Classroom
Clouds (Weather Wise)	I/460	978-1-4846-0561-5	36.94	Capstone Classroom
Dangerous Droughts	K	978-0-8239-8543-2	33.00	Rosen Classroom
<i>Earth Is Tilting! (My Science Library) *</i>	M/740L	978-1-91741-952-2	8.95	<i>Rourke Ed Media</i>

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Hurricanes and Tropical Storms	I	978-0-8239-8626-2	33.00	Rosen Classroom
Learning about Weather with Graphic Organizers	Z	978-1-4042-5037-6	42.00	Rosen Classroom
Let's Measure the Weather (Infomax CC Readers)	F/410	978-1-4488-9020-0	42.00	Rosen Classroom
Measuring the Weather	J	978-1-4358-0106-6	36.00	Rosen Classroom
Rising Waters: A Book About Floods	J/670L	978-1-4048-1852-1	48.70	Capstone Classroom
Rumble, Boom! A Book About Thunderstorms	K/710L	978-1-4048-1853-8	48.70	Capstone Classroom
Season to Season (Nature's Patterns)	N	9781-4109-1326-5	48.94	Capstone Classroom
<i>Studying Weather and Climates</i>	<i>M/930</i>	<i>978-161741-951-5</i>	<i>8.95</i>	<i>Rourke Ed Media</i>
Temperature, Heating Up and Cooling Down	M/520	978-1-4048-1438-7	48.70	Capstone Classroom
The Power of Storms	J/320L	A45885	53.00	Benchmark Education
The Weather Report	D	978-0-8239-8610-1	30.00	Rosen Classroom
Thunder and Lightning (Weather Wise)	I/590	978-1-4846-0566-0	36.94	Capstone Classroom
Thunderstorms (Wild Weather)	L	978-1-4034-9595-2	48.94	Capstone Classroom
Water (Smithsonian Little Explorer)	M/500	978-1-4765-3728-3	42.70	Capstone Classroom
Weather and Climate	H/240L	A45877	53.00	Benchmark Education
Weather Tools	E/80L	Y00741	39.00	Benchmark Education
<i>What's the Weather Like Today?</i>	<i>K/610</i>	<i>978-1-61741-939-3</i>	<i>8.95</i>	<i>Rourke Ed Media</i>

Earth Patterns, Cycles and Change

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

A Close Look at Soil	L/580	978-1-5081-1323-2	48.00	Rosen Classroom
Animals and the Seasons *	M/560	Y01820	38.00	Benchmark Education
<i>Animals and the Seasons (big book) *</i>	<i>M/560</i>	<i>Y02459</i>	<i>38.00</i>	<i>Benchmark Education</i>
<i>Apple Trees and the Seasons (My Science Library) *</i>	<i>C/420</i>	<i>978-1-61741-924-9</i>	<i>8.95</i>	<i>Rourke Ed Media</i>
<i>Earth Is Tilting! (My Science Library) *</i>	<i>M/740</i>	<i>978-1-61741-952-2</i>	<i>8.95</i>	<i>Rourke Ed Media</i>
Erosion	J/590	A7067	46.00	Benchmark Education
Plants and Animals of the Chesapeake Bay *	L	978-1-4339-9782-2	53.70	Gareth Stevens Cl
Plants and the Seasons *	H/570	Y01821	38.00	Benchmark Education
<i>Plants and the Seasons (big book) *</i>	<i>H/570</i>	<i>Y02473</i>	<i>38.00</i>	<i>Benchmark Education</i>
Rocks and Soil (Earth and Space)	530	Y09809	38.00	Benchmark Education
<i>Rocks and Soil (Earth and Space)(big book)</i>	<i>530</i>	<i>Y09833</i>	<i>38.00</i>	<i>Benchmark Education</i>
Saving the Chesapeake Bay *	L	978-1-4339-9786-0	53.70	Gareth Stevens Cl
Visiting the Chesapeake Bay	L	978-1-4339-9790-7	53.70	Gareth Stevens Cl
What Do Animals Need? *	N/510	Y01813	38.00	Benchmark Education
<i>What Do Animals Need? (big book) *</i>	<i>N/510</i>	<i>Y02479</i>	<i>38.00</i>	<i>Benchmark Education</i>

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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.

Cotton Plant to Cotton Shirt	J/430	A7008	46.00	Benchmark Education
Ethanol and Other New Fuels (Energy for Today)	N	978-1-4339-0429-5	35.70	Gareth Stevens Cl
Glass (Exploring Materials)	I/290	978-1-4329-8030-6	36.94	Capstone Classroom
Metal (Exploring Materials)	I/360	978-1-4329-8031-3	36.94	Capstone Classroom
Paper (Exploring Materials)	I/360	978-1-4329-8032-0	36.94	Capstone Classroom
<i>Plants Make Their Own Food (My Science Library) *</i>	<i>L/730</i>	<i>978-1-61741-949-2</i>	<i>8.95</i>	<i>Rourke Ed Media</i>
Plastic (Exploring Materials)	I/360	978-1-4329-8033-7	36.94	Capstone Classroom
Recycling Paper (Infomax CC Readers)	I/500	978-1-4777-2275-6	42.00	Rosen Classroom
Rock (Exploring Materials)	I/290	978-1-4329-8034-4	36.94	Capstone Classroom
Rubber (Exploring Materials)	I/300	978-1-4329-8035-1	36.94	Capstone Classroom
Water Basics (Nature Basics)	J/240	978-1-4296-2899-0	36.70	Capstone Classroom
Wood (Exploring Materials)	I/330	978-1-4329-8036-8	36.94	Capstone Classroom

*Title in multiple strands

Price and availability subject to change without notice.

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