



# Correlation

## Standards of Learning for Virginia

### Science

# Grade One

**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 One**

The first-grade Standards continue to stress basic science skills in understanding familiar objects and events. Students are expected to begin conducting simple experiments and be responsible for some of the planning. Students are introduced to the concept of classifying plants and animals based on simple characteristics. Emphasis is placed on the relationships among objects and their interactions with one another. Students are expected to know the basic relationships between the sun and Earth, and between seasonal changes and plant and animal activities. Students will also begin to develop an understanding of moving objects, simple solutions, and important natural resources.

**Scientific Investigation, Reasoning and Logic**

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

Brady Makes a Weather Graph (Infomax CC Readers) *	L/620	978-1-4777-2461-3	42.00	Rosen Classroom
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**Force, Motion and Energy**

- 1.2 Students will investigate and understand that moving objects exhibit different kinds of motion.**

Forces (Forces and Motion)	480	Y09795	38.00	Benchmark Education
<i>Forces (Forces and Motion)(big book)</i>	<i>480</i>	<i>Y09819</i>	<i>38.00</i>	<i>Benchmark Education</i>
Motion (Forces and Motion)	560	Y09805	38.00	Benchmark Education
<i>Motion (Forces and Motion)(big book)</i>	<i>560</i>	<i>Y09829</i>	<i>38.00</i>	<i>Benchmark Education</i>
Push, Pull, Lift!	I/350	A81243	40.00	Benchmark Education
<i>Stop and Go, Fast and Slow (My Science Library)</i>	<i>D/120</i>	<i>978-1-61741-929-4</i>	<i>8.95</i>	<i>Rourke Ed Media</i>
What Is Motion?	G/210	A81236	40.00	Benchmark Education
What Pushes? What Pulls?	F/230	A2812	40.00	Benchmark Education

**Matter**

- 1.3 The student will investigate and understand how different common materials interact with water.**

Changing Matter (Matter)	E/520	Y09792	38.00	Benchmark Education
<i>Changing Matter (Matter)(big book)</i>	<i>E/520</i>	<i>Y09816</i>	<i>38.00</i>	<i>Benchmark Education</i>
Earth's Water (Earth and Space)	E/490	Y09793	38.00	Benchmark Education
<i>Earth's Water (Earth and Space)(big book)</i>	<i>E/490</i>	<i>Y09817</i>	<i>38.00</i>	<i>Benchmark Education</i>
Gases in My World	L	978-1-4042-9191-1	36.00	Rosen Classroom
How Water Changes (States of Matter)	M/560	978-1-4339-1433-1	35.70	Gareth Stevens Classroom

<i>Title</i>	<i>GR / Lexile</i>	<i>ISBN/Code No.</i>	<i>Six-pack Price</i>	<i>Publisher</i>
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Liquids in My World	L	978-1-4042-9192-8	36.00	Rosen Classroom
<i>Matter Comes in All Shapes (My Science Library)</i>	<i>J/320</i>	<i>978-1-61741-941-6</i>	<i>8.95</i>	<i>Rourke Ed Media</i>
<i>Melting Matter (My Science Library)</i>	<i>N/560</i>	<i>978-1-61741-954-6</i>	<i>8.95</i>	<i>Rourke Ed Media</i>
Our Water Experiment	F/360	978-1-5081-1316-4	48.00	Rosen Classroom
Solids in My World	L	978-1-4042-9193-5	36.00	Rosen Classroom
Solids, Liquids and Gases (Matter)	E/550	Y09810	38.00	Benchmark Education
<i>Solids, Liquids and Gases (Matter)(big book)</i>	<i>E/550</i>	<i>Y09834</i>	<i>38.00</i>	<i>Benchmark Education</i>
<i>Solid or Liquid?</i>	<i>D/70</i>	<i>978-1-61741-928-7</i>	<i>8.95</i>	<i>Rourke Ed Media</i>
Water All Around	F/410	A10712	38.00	Benchmark Education
<i>Where Did The Water Go? (My Science Library)</i>	<i>M/500</i>	<i>978-1-61741-953-9</i>	<i>8.95</i>	<i>Rourke Ed Media</i>

## Life Processes

### 1.4 The student will investigate and understand that plants have basic life needs and functional parts and can be classified according to certain characteristics.

A Plant Has Needs	A/BR	Y00723	39.00	Benchmark Education
All About Trees	G/220	A75167	40.00	Benchmark Education
<i>How Do Plants Grow? (My Science Library)</i>	<i>C/450</i>	<i>978-1-61741-923-2</i>	<i>8.95</i>	<i>Rourke Ed Media</i>
I Can Grow Plants (Infomax CC Readers)	D/290	978-1-4488-8990-7	42.00	Rosen Classroom
In the Garden	C/300	978-1-5081-1306-5	42.00	Rosen Classroom
Investigate Air	360	Y09801	38.00	Benchmark Education
<i>Investigate Air (big book)</i>	<i>360</i>	<i>Y09825</i>	<i>38.00</i>	<i>Benchmark Education</i>
<i>Plant Life Cycles (My Science Library)</i>	<i>I/490</i>	<i>978-1-61741-936-2</i>	<i>8.95</i>	<i>Rourke Ed Media</i>
Plants	G/290	A2855	40.00	Benchmark Education
Seeds and Plants (Infomax CC Readers)	C/300	978-1-4488-8933-4	36.00	Rosen Classroom
The Ways We Use Water (Infomax CC Readers) *	E/290	978-1-4488-9014-9	42.00	Rosen Classroom
What Are the Parts of a Tree?	I/250	A74801	40.00	Benchmark Education
What Do Plants Need? *	I/500	Y01818	38.00	Benchmark Education
<i>What Do Plants Need? (big book) *</i>	<i>I/500</i>	<i>Y02480</i>	<i>38.00</i>	<i>Benchmark Education</i>

### 1.5 The student will investigate and understand that animals, including humans, have basic needs and certain distinguishing characteristics.

Animals in Their Habitats	L/720	Y01815	38.00	Benchmark Education
<i>Animals in Their Habitats (big book)</i>	<i>L/720</i>	<i>Y02460</i>	<i>38.00</i>	<i>Benchmark Education</i>
Animals' Eyes and Ears	I/500	A0178	40.00	Benchmark Education
We Are Different, We Are the Same (Infomax CC Readers)	C/100	978-1-4488-8951-8	36.00	Rosen Classroom
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>
Why Do Animals Hibernate? (Infomax CC Readers)	D/380	978-1-4488-8996-9	42.00	Rosen Classroom

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## Interrelationships in Earth/Space Systems

### 1.6 The student will investigate and understand the basic relationships between the Sun and the Earth.

24 Hours: From Day To Night	D	978-1-4042-7926-1	30.00	Rosen Classroom
<i>Day and Night (My Science Library)</i>	<i>E/300</i>	<i>978-1-61741-926-3</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>
<i>Me and My Shadow (My Science Library)(A book about light.)</i>	<i>H/300</i>	<i>978-1-61741-943-0</i>	<i>8.95</i>	<i>Rourke Ed Media</i>
Night and Day (Earth and Space)	480	Y09806	38.00	Benchmark Education
<i>Night and Day (Earth and Space)(big book)</i>	480	Y09830	38.00	<i>Benchmark Education</i>
<i>Our Sun Brings Life (My Science Library)</i>	<i>D/330</i>	<i>978-1-61741-925-6</i>	<i>8.95</i>	<i>Rourke Ed Media</i>

## Earth Patterns, Cycles, and Change

### 1.7 The student will investigate and understand weather and seasonal changes.

Animals in Winter	B	978-0-8239-9520-2	26.10	Rosen Classroom
<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>
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
<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>
Let's Measure the Weather (Infomax CC Readers)	F/410	978-1-4488-9020-0	42.00	Rosen Classroom
Plants and the Seasons	570L	Y01821	38.00	Benchmark Education
Ready for Fall!	F/250	A61030	40.00	Benchmark Education
Science Lab Tools	K/560	978-1-5081-1322-5	48.00	Rosen Classroom
See You in Spring	H/220	A61054	40.00	Benchmark Education
Spring, Summer, Fall, Winter	C/280	978-1-5081-1308-9	42.00	Rosen Classroom
Summer to Fall	F/160	A61023	40.00	Benchmark Education
<i>What Do Critters Do In the Winter?</i>	<i>L/790</i>	<i>978-1-61741-948-5</i>	<i>8.95</i>	<i>Rourke Ed Media</i>
What Do Plants Need? *	I/500	Y01818	38.00	Benchmark Education
<i>What Do Plants Need? (big book) *</i>	<i>I/500</i>	<i>Y02480</i>	<i>38.00</i>	<i>Benchmark Education</i>
What Is the Weather Today?	D/300	978-1-5081-1312-6	42.00	Rosen Classroom
Winter to Spring	H/480	A61047	40.00	Benchmark Education

## Earth Resources

### 1.8 The student will investigate and understand that natural resources are limited.

Where Does Your Garbage Go?	G/540	A10771	40.00	Benchmark Education
Water on Earth (Infomax CC Readers)	G/360	978-1-4488-9035-4	42.00	Rosen Classroom
The Ways We Use Water (Infomax CC Readers) *	E/290	978-1-4488-9014-9	42.00	Rosen Classroom

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\*Title in multiple strands

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