

TITLE	NY STANDARDS ADDRESSED	GR LEVEL	LEXILE LEVEL	BOOK SUMMARY	VOCABULARY
<b>In the Garden</b> ISBN 0022858334 6 PK ISBN 0022865365	LE Performance Indicator 1.1; 1.2	B	30	<i>In the Garden</i> contrasts living and nonliving things and identifies some of the characteristics of living things, such as growth and change.	living thing plant rock
<b>A World of Animals</b> * ISBN 0022846093 6 PK ISBN 0022864016	LE Performance Indicator 3.1	E	?	<i>A World of Animals</i> describes adaptations of dolphins, polar bears, elephants, beavers, woodpeckers, and camels.	fin hoof hooves trunk
<b>Amazing Animals</b> ISBN 0022846115 6 PK ISBN 0022864024	LE Performance Indicator 1.1; 1.2 LE Performance Indicator 3.1, LE Performance Indicator 6.1	G	300	<i>Amazing Animals</i> describes adaptations of animals and relates adaptations to specific environments.	gill spines webbed feet
<b>Animal Homes</b> ISBN 0022858466 6 PK ISBN 0022865403	LE Performance Indicator 3.1, LE Performance Indicator 6.1	G	190	<i>Animal Homes</i> identifies the environments, such as deserts, oceans, and forests, in which various animals make their homes.	cactus desert forest
<b>Boats Float</b> ISBN 0022846220 6 PK ISBN 0022864121	PS Performance Indicator 3.1	B		<i>Boats Float</i> describes solids, liquids, and gases, and defines the term <i>float</i> . It also identifies that solids have a definite shape, but liquids do not.	float gas liquid
<b>Bryce Canyon</b> ISBN 0022858474 6 PK ISBN 0022865438	PS Performance Indicator 2.1	H	240	<i>Bryce Canyon</i> explains how wind and water have shaped Bryce Canyon over time, and that similar processes shape other rocks.	rock water wind

\* - Also available in an English Language Learner version

TITLE	NY STANDARDS ADDRESSED	GR LEVEL	LEXILE LEVEL	BOOK SUMMARY	VOCABULARY
<b>Dolphin Sounds</b> ISBN 0022858385 6 PK ISBN 0022865551	PS Performance Indicator 4.1, LE Performance Indicator 3.1, LE Performance Indicator 6.1	B	120	<i>Dolphin Sounds</i> illustrates how echolocation works, and describes how dolphins use echolocation to find food.	dolphin echo sound
<b>Forces At Play</b> ISBN 0022861653 6 PK ISBN 0022865543	PS Performance Indicator 5.1; 5.2	H	240	<i>Forces at Play</i> defines force as a push or pull, defines the term <i>work</i> , and identifies how forces are involved in baseball, basketball, and tug-of-war.	force gravity work
<b>Fun With Magnets</b> ISBN 0022858377 6 PK ISBN 0022865527	PS Performance Indicator 3.1, PS Performance Indicator 5.1; 5.2	B	270	<i>Fun With Magnets</i> explains how magnets attract metal objects and can attract or repel one another. It also describes some uses of magnets.	magnet metal push
<b>Good to Eat *</b> ISBN 0022858393 6 PK ISBN 0022865373	LE Performance Indicator 5.3, LE Performance Indicator 6.1	E	230	<i>Good to Eat</i> identifies plant parts (stems, leaves, flowers, roots, fruits, and leaves) that humans use for food. The book uses lettuce, celery, broccoli, carrots, cantaloupe, and strawberries as examples.	fruit root stem
<b>How Does Matter Change?</b> ISBN 0022846271 6 PK ISBN 0022864172	PS Performance Indicator 3.2	G		<i>How Does Matter Change?</i> describes physical changes of matter, such as changes of shape and changes of state. It also defines the term <i>matter</i> and describes solids, liquids, and gases.	gas liquid matter
<b>Ice Hotels</b> ISBN 0022858512 6 PK ISBN 0022865519	PS Performance Indicator 3.1; 3.2	G	270	<i>Ice Hotels</i> uses pictures and descriptions of an ice hotel to highlight the differences between solids and liquids. It also points out the role of temperature change in melting.	liquid melts solid
<b>Land All Around</b> ISBN 0022858342 6 PK ISBN 0022865411	PS Performance Indicator 2.1	B	BR	<i>Land All Around</i> describes the characteristics of mountains, valleys, and plains.	mountain plain valley

\* - Also available in an English Language Learner version

TITLE	NY STANDARDS ADDRESSED	GR LEVEL	LEXILE LEVEL	BOOK SUMMARY	VOCABULARY
<b>Let's Bake a Cake!</b> ISBN 0022846255 6 PK ISBN 0022864156	PS Performance Indicator 3.2	B	270	<i>Let's Bake a Cake</i> uses a discussion of baking to introduce the terms <i>melt</i> , <i>solid</i> , <i>liquid</i> , and <i>mixture</i> .	liquid melt mixture
<b>Look for Rocks *</b> ISBN 0022858407 6 PK ISBN 002286542X	PS Performance Indicator 3.1	E	90	<i>Look for Rocks</i> explains that rocks can be found in many places, such as yards, parks, and beaches, and uses photos to illustrate the characteristics of sandstone, slate, and granite.	granite sandstone slate
<b>Make It New *</b> ISBN 0022858415 6 PK ISBN 0022865454	LE Performance Indicator 7.1	F	BR	<i>Make It New</i> shows that paper, glass, and cans can be recycled to make new products.	bottle can recycle
<b>Mars</b> ISBN 0022858490 6 PK ISBN 0022865497	PS Performance Indicator 2.1, LE Performance Indicator 6.1	H	230	<i>Mars</i> compares and contrasts characteristics, such as size, position, temperature, and presence of water, of Earth and Mars.	planet Mars Sun
<b>Parts of Plants</b> ISBN 0022858458 6 PK ISBN 0022865381	LE Performance Indicator 3.1, LE Performance Indicator 6.1; 6.2	H	250	<i>Parts of Plants</i> describes leaves, flowers, stems, roots, fruits, and seeds and identifies the function of each.	root seed soil
<b>Pond Life</b> ISBN 0022861645 6 PK ISBN 0022864032	LE Performance Indicator 1.1, LE Performance Indicator 3.1, LE Performance Indicator 6.1	D	390	<i>Pond Life</i> identifies some of the living things found in ponds, including plants, fish, frogs, and insects and points out that a pond is a freshwater environment.	Insect living thing pond

\* - Also available in an English Language Learner version

TITLE	NY STANDARDS ADDRESSED	GR LEVEL	LEXILE LEVEL	BOOK SUMMARY	VOCABULARY
<b>Ready, Set, Go! *</b> ISBN 0022858423 6 PK ISBN 0022865489	LE Performance Indicator 5.3	E	330	<b>Ready, Set, Go</b> explores how astronauts prepare for a flight on the space shuttle. It describes a sequence of steps using the words <i>first</i> , <i>next</i> , <i>then</i> , and <i>finally</i> .	<b>Astronaut space shuttle spacesuit</b>
<b>Solids, Liquids, and Gases *</b> ISBN 0022846239 6 PK ISBN 002286413X	PS Performance Indicator 3.1	E	370	<b>Solids, Liquids, and Gases</b> discusses the properties of solids, liquids, and gases and gives everyday examples of each.	<b>Gas liquid solid</b>
<b>Sun Power</b> ISBN 0022858520 6 PK ISBN 0022865578	PS Performance Indicator 4.1; 4.2 LE Performance Indicator 6.2	G	350	<b>Sun Power</b> describes energy and explains that some energy comes from the Sun. It also discusses ways that solar energy can be used, such as heating homes and powering vehicles.	<b>Energy solar energy Sun</b>
<b>The Four Seasons</b> ISBN 0022846182 6 PK ISBN 0022864091	PS Performance Indicator 1.1, LE Performance Indicator 6.1	B	330	<b>The Four Seasons</b> describes spring, summer, fall, and winter by picturing the weather, activities, and clothing associated with each.	<b>Fall spring summer</b>
<b>The Story of Water</b> ISBN 0022846247 6 PK ISBN 0022864148	PS Performance Indicator 2.1, PS Performance Indicator 3.2, LE Performance Indicator 1.1; 1.2 LE Performance Indicator 6.1; 6.2	G	370	<b>The Story of Water</b> identifies the importance of water, discusses the water cycle, and explains the role of the Sun's energy in the water cycle.	<b>Clouds gas water cycle</b>
<b>The Tallest Tree *</b> ISBN 0022846069 6 PK ISBN 0022863974	LE Performance Indicator 4.1; 4.2 LE Performance Indicator 6.1	E	470	<b>The Tallest Tree</b> explains that some seeds germinate and develop into trees, such as the General Sherman Sequoia. Illustrations allow students to compare the height of the General Sherman to other objects.	<b>Cone seedling sequoia</b>

\* - Also available in an English Language Learner version

TITLE	NY STANDARDS ADDRESSED	GR LEVEL	LEXILE LEVEL	BOOK SUMMARY	VOCABULARY
<b>Things Change *</b> ISBN 0022846263 6 PK ISBN 0022864164	PS Performance Indicator 3.2, LE Performance Indicator 4.1	E	300	<b>Things Change</b> identifies changes such as boiling, freezing, melting, mixing, and growing and illustrates everyday examples of these changes.	<b>Boil freeze melt</b>
<b>Two Trees</b> ISBN 0022846077 6 PK ISBN 0022863982	LE Performance Indicator 3.1, LE Performance Indicator 6.1; 6.2	H	430	<b>Two Trees</b> compares and contrasts trees found at the coast with trees found in the desert. Adaptations to each environment are pictured and identified.	<b>Desert roots soil</b>
<b>Watch It Grow</b> ISBN 0022846050 6 PK ISBN 0022863966	LE Performance Indicator 4.1, LE Performance Indicator 6.1; 6.2	B	70	<b>Watch It Grow</b> identifies what seeds and plants need to grow and develop. The germination and growth of a tomato seed illustrates this process.	<b>Plant Sun water</b>
<b>Water Fun</b> ISBN 0022858350 6 PK ISBN 0022865446	LE Performance Indicator 6.1	B	BR	<b>Water Fun</b> identifies recreational uses of water, points out that humans need water to drink, and explains that water should not be wasted.	<b>Ocean waste water</b>
<b>What Goes Around?</b> ISBN 0022858369 6 PK ISBN 0022865470	PS Performance Indicator 1.1, LE Performance Indicator 6.2	B	120	<b>What Goes Around?</b> explains the motion of the Earth and Moon relative to the Sun and to one another. Diagrams shows Earth's orbit around the Sun and the Moon's orbit around Earth.	<b>Earth Moon Sun</b>
<b>What Is Wool?</b> ISBN 0022858482 6 PK ISBN 0022865462	LE Performance Indicator 6.1	H	330	<b>What Is Wool?</b> explains that wool is produced by sheep and used by humans. The process of producing clothing using wool is described.	<b>Sheep wool yarn</b>

\* - Also available in an English Language Learner version

TITLE	NY STANDARDS ADDRESSED	GR LEVEL	LEXILE LEVEL	BOOK SUMMARY	VOCABULARY
<b>What People and Animals Need</b> ISBN 0022846085 6 PK ISBN 0022863990	LE Performance Indicator 1.1; 1.2 LE Performance Indicator 5.3, LE Performance Indicator 6.1	B	310	<i>What People and Animals Need</i> identifies that both people and animals need food, water, air, and shelter to live. The terms <i>breathe</i> , <i>energy</i> , and <i>shelter</i> are defined.	<b>Breathe energy shelter</b>
<b>What Sounds Say *</b> ISBN 002285844X 6 PK ISBN 002286556X	PS Performance Indicator 4.1	F	130	<i>What Sounds Say</i> explains that sounds can be used to communicate and that some sounds, such as sirens and train whistles, are used to indicate danger.	<b>bell siren sound</b>
<b>What Would We Do Without Bees? *</b> ISBN 0022846131 6 PK ISBN 0022864040	LE Performance Indicator 3.1, LE Performance Indicator 5.3, LE Performance Indicator 6.1	E	430	<i>What Would We Do Without Bees?</i> describes the role of bees in pollination of plants and in honey production. The process of pollination of an apple tree is illustrated.	<b>honey nectar pollen</b>
<b>When the Weather Changes *</b> ISBN 0022846190 6 PK ISBN 0022864105	PS Performance Indicator 1.1, LE Performance Indicator 6.1	E	230	<i>When the Weather Changes</i> describes the weather, activities, and clothing commonly associated with each season.	<b>fall season weather</b>
<b>Where Are They? *</b> ISBN 0022858431 6 PK ISBN 0022865535	LE Performance Indicator 3.1	F	100	<i>Where Are They?</i> uses position words, such as <i>on</i> , <i>under</i> , <i>behind</i> , <i>in</i> , and <i>inside</i> to describe the position of animals relative to objects.	<b>bush egg log</b>

\* - Also available in an English Language Learner version

# New York Science Performance Indicators

## Standard 4

### PS

#### PS Key Idea 1

PS Performance Indicator 1.1

#### PS Key Idea 2

PS Performance Indicator 2.1

#### PS Key Idea 3

PS Performance Indicator 3.1

PS Performance Indicator 3.2

#### PS Key Idea 4

PS Performance Indicator 4.1

PS Performance Indicator 4.2

#### PS Key Idea 5

PS Performance Indicator 5.1

## Science

### Physical Setting

**The Earth and celestial phenomena can be described by principles of relative motion and perspective.**

Describe patterns of daily, monthly, and seasonal changes in their environment.

**Many of the phenomena that we observe on Earth involve interactions among components of air, water, and land.**

Describe the relationships among air, water, and land on Earth.

**Matter is made up of particles whose properties determine the observable characteristics of matter and its reactivity.**

Observe and describe properties of materials using appropriate tools.

Describe chemical and physical changes, including changes in states of matter.

**Energy exists in many forms, and when these forms change energy is conserved.**

Describe a variety of forms of energy (e.g., heat, chemical, light) and the changes that occur in objects when they interact with those forms of energy.

Observe the way one form of energy can be transformed into another form of energy present in common situations (e.g., mechanical to heat energy, mechanical to electrical energy, chemical to heat energy).

**Energy and matter interact through forces that result in changes in motion.**

Describe the effects of common forces (pushes and pulls) on objects, such as those caused by gravity, magnetism, and mechanical forces.

PS Performance  
Indicator 5.2

describe how forces can operate across distances.

## LE

## The Living Environment

### LE Key Idea 1

**Living things are both similar to and different from each other and nonliving things.**

LE Performance  
Indicator 1.1

Describe the characteristics of and variations between living and nonliving things.

LE Performance  
Indicator 1.2

Describe the life processes common to all living things.

### LE Key Idea 2

**Organisms inherit genetic information in a variety of ways that result in continuity of structure and function between parents and offspring.**

LE Performance  
Indicator 2.1

Recognize that traits of living things are both inherited and acquired or learned.

LE Performance  
Indicator 2.2

Recognize that for humans and other living things there is genetic continuity between generations.

### LE Key Idea 3

**Individual organisms and species change over time.**

LE Performance  
Indicator 3.1

Describe how the structures of plants and animals complement the environment of the plant or animal.

LE Performance  
Indicator 3.2

Observe that differences within a species may give individuals an advantage in surviving and reproducing.

### LE Key Idea 4

**The continuity of life is sustained through reproduction and development.**

LE Performance  
Indicator 4.1

Describe the major stages in the life cycles of selected plants and animals.

LE Performance  
Indicator 4.2

Describe evidence of growth, repair, and maintenance, such as nails, hair, and bone, and the healing of cuts and bruises.

### LE Key Idea 5

**Organisms maintain a dynamic equilibrium that sustains life.**

LE Performance  
Indicator 5.1

Describe basic life functions of common living specimens (guppy, mealworm, gerbil).

LE Performance  
Indicator 5.2

Describe some survival behaviors of common living specimens.

LE Performance  
Indicator 5.3

Describe the factors that help promote good health and growth in humans.

LE Key Idea 6

**Plants and animals depend on each other and their physical environment.**

LE Performance  
Indicator 6.1

Describe how plants and animals, including humans, depend upon each other and the nonliving environment.

LE Performance  
Indicator 6.2

Describe the relationship of the sun as an energy source for living and nonliving cycles.

LE Key Idea 7

**Human decisions and activities have had a profound impact on the physical and living environment.**

LE Performance  
Indicator 7.1

Identify ways in which humans have changed their environment and the effects of those changes.