

TITLE	OH STANDARDS ADDRESSED	GR LEVEL	LEXILE LEVEL	BOOK SUMMARY	VOCABULARY
In the Garden ISBN 0022858334 6 PK ISBN 0022865365	LS-1, SI-4, SI-9, SWK-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
A World of Animals * ISBN 0022846093 6 PK ISBN 0022864016	ESS-3, LS-3, LS-4, SI-8	E	600	<i>A World of Animals</i> describes adaptations of dolphins, polar bears, elephants, beavers, woodpeckers, and camels.	fin hoof hooves trunk
Amazing Animals ISBN 0022846115 6 PK ISBN 0022864024	LS-1, LS-3, SI-8	G	300	<i>Amazing Animals</i> describes adaptations of animals and relates adaptations to specific environments.	gill spines webbed feet
Animal Homes ISBN 0022858466 6 PK ISBN 0022865403	LS-1, LS-4, SI-8	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
Boats Float ISBN 0022846220 6 PK ISBN 0022864121	PS-1, SI-4	B	BR	<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
Bryce Canyon ISBN 0022858474 6 PK ISBN 0022865438	PS-3, SI-8	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

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Dolphin Sounds ISBN 0022858385 6 PK ISBN 0022865551	LS-3, LS-4, SI-8	B	120	<i>Dolphin Sounds</i> illustrates how echolocation works, and describes how dolphins use echolocation to find food.	dolphin echo sound
Forces At Play ISBN 0022861653 6 PK ISBN 0022865543	PS-5, PS-6	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
Fun With Magnets ISBN 0022858377 6 PK ISBN 0022865527	PS-1, PS-5, PS-6, SI-9	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
Good to Eat * ISBN 0022858393 6 PK ISBN 0022865373	ESS-1, LS-1, LS-2, SI-8	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
How Does Matter Change? ISBN 0022846271 6 PK ISBN 0022864172	PS-1, PS-2, PS-3, PS-4	G	240	<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
Ice Hotels ISBN 0022858512 6 PK ISBN 0022865519	PS-1, PS-2, PS-3, SI-9	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
Land All Around ISBN 0022858342 6 PK ISBN 0022865411	SI-8, SI-9	B	BR	<i>Land All Around</i> describes the characteristics of mountains, valleys, and plains.	mountain plain valley

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Let's Bake a Cake! ISBN 0022846255 6 PK ISBN 0022864156	PS-3, PS-4	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
Look for Rocks * ISBN 0022858407 6 PK ISBN 002286542X	PS-1, SI-8, SI-9	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
Make It New * ISBN 0022858415 6 PK ISBN 0022865454	ESS-2, ST-3, SI-8	F	BR	<i>Make It New</i> shows that paper, glass, and cans can be recycled to make new products.	bottle can recycle
Mars ISBN 0022858490 6 PK ISBN 0022865497	PS-8, SI-8, SI-9	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
Parts of Plants ISBN 0022858458 6 PK ISBN 0022865381	LS-1, LS-2, PS-8, SI-8, SI-9, SWK-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
Pond Life ISBN 0022861645 6 PK ISBN 0022864032	LS-1, LS-3, SI-8	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

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Ready, Set, Go! * ISBN 0022858423 6 PK ISBN 0022865489	SWK-3	E	330	Ready, Set, Go 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> .	astronaut space shuttle spacesuit
Solids, Liquids, and Gases * ISBN 0022846239 6 PK ISBN 002286413X	PS-1	E	370	Solids, Liquids, and Gases discusses the properties of solids, liquids, and gases and gives everyday examples of each.	gas liquid solid
Sun Power ISBN 0022858520 6 PK ISBN 0022865578	PS-7, PS-8, PS-9, ST-4	G	350	Sun Power 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.	energy solar energy Sun
The Four Seasons ISBN 0022846182 6 PK ISBN 0022864091	LS-5, SI-4, SI-8	B	330	The Four Seasons describes spring, summer, fall, and winter by picturing the weather, activities, and clothing associated with each.	fall spring summer
The Story of Water ISBN 0022846247 6 PK ISBN 0022864148	ESS-1, ESS-2, PS-2, PS-8, SI-8	G	370	The Story of Water identifies the importance of water, discusses the water cycle, and explains the role of the Sun's energy in the water cycle.	clouds gas water cycle
The Tallest Tree * ISBN 0022846069 6 PK ISBN 0022863974	LS-4, SI-7, SI-9	E	470	The Tallest Tree 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.	cone seedling sequoia

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Things Change * ISBN 0022846263 6 PK ISBN 0022864164	PS-1, PS-2, PS-3, PS-4, SI-4, SI-8, SI-9	E	300	<i>Things Change</i> identifies changes such as boiling, freezing, melting, mixing, and growing and illustrates everyday examples of these changes.	boil freeze melt
Two Trees ISBN 0022846077 6 PK ISBN 0022863982	LS-1, PS-8, SI-7, SI-8	H	430	<i>Two Trees</i> compares and contrasts trees found at the coast with trees found in the desert. Adaptations to each environment are pictured and identified.	desert roots soil
Watch It Grow ISBN 0022846050 6 PK ISBN 0022863966	LS-2, PS-8, SI-8	B	70	<i>Watch It Grow</i> identifies what seeds and plants need to grow and develop. The germination and growth of a tomato seed illustrates this process.	plant Sun water
Water Fun ISBN 0022858350 6 PK ISBN 0022865446	ESS-1, ESS-2, SI-8	B	BR	<i>Water Fun</i> identifies recreational uses of water, points out that humans need water to drink, and explains that water should not be wasted.	ocean waste water
What Goes Around? ISBN 0022858369 6 PK ISBN 0022865470	PS-8, SI-8	B	120	<i>What Goes Around?</i> 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.	Earth Moon Sun
What Is Wool? ISBN 0022858482 6 PK ISBN 0022865462	ESS-1, ST-7, SI-8	H	330	<i>What Is Wool?</i> explains that wool is produced by sheep and used by humans. The process of producing clothing using wool is described.	sheep wool yarn

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What People and Animals Need ISBN 0022846085 6 PK ISBN 0022863990	ESS-1, LS-1, LS-4, SI-8	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.	breathe energy shelter
What Sounds Say * ISBN 002285844X 6 PK ISBN 002286556X	SI-8, SI-9	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.	bell siren sound
What Would We Do Without Bees? * ISBN 0022846131 6 PK ISBN 0022864040	LS-2, LS-3, LS-4, SI-8	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.	honey nectar pollen
When the Weather Changes * ISBN 0022846190 6 PK ISBN 0022864105	LS-5, SI-8	E	230	<i>When the Weather Changes</i> describes the weather, activities, and clothing commonly associated with each season.	fall season weather
Where Are They? * ISBN 0022858431 6 PK ISBN 0022865535	SI-8	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.	bush egg log

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Ohio Science Academic Content Standards

Standard 1

Earth and Space Sciences

Earth Systems

- ESS-1 Identify that resources are things that we get from the living (e.g., forests) and nonliving (e.g., minerals, water) environment and that resources are necessary to meet the needs and wants of a population.
- ESS-2 Explain that the supply of many resources is limited but the supply can be extended through careful use, decreased use, reusing and/or recycling.

Processes That Shape Earth

- ESS-3 Explain that all organisms cause changes in the environment where they live; the changes can be very noticeable or slightly noticeable, fast or slow (e.g., spread of grass cover slowing soil erosion, tree roots slowly breaking sidewalks).

Standard 2

Life Sciences

Characteristics and Structure of Life

- LS-1 Explore that organisms, including people, have basic needs which include air, water, food, living space and shelter.
- LS-2 Explain that food comes from sources other than grocery stores (e.g., farm crops, farm animals, oceans, lakes and forests).
- LS-3 Explore that humans and other animals have body parts that help to seek, find and take in food when they are hungry (e.g., sharp teeth, flat teeth, good nose and sharp vision).

Diversity and Interdependence of Life

- LS-4 Investigate that animals eat plants and/or other animals for food and may also use plants or other animals for shelter and nesting.
- LS-5 Recognize that seasonal changes can influence the health, survival or activities of organisms.

Standard 3

Physical Sciences

Nature of Matter

- PS-1 Classify objects according to the materials they are made of and their physical properties.
- PS-2 Investigate that water can change from liquid to solid or solid to liquid.
- PS-3 Explore and observe that things can be done to materials to change their properties (e.g., heating, freezing, mixing, cutting, wetting, dissolving, bending and exposing to light).
- PS-4 Explore changes that greatly change the properties of an object (e.g., burning paper) and changes that leave the properties largely unchanged (e.g., tearing paper).

Forces and Motion

- PS-5 Explore the effects some objects have on others even when the two objects might not touch (e.g., magnets).
- PS-6 Investigate a variety of ways to make things move and what causes them to change speed, direction and/or stop

Nature of Energy

- PS-7 Explore how energy makes things work (e.g., batteries in a toy and electricity turning fan blades).
- PS-8 Recognize that the sun is an energy source that warms the land, air and water.
- PS-9 Describe that energy can be obtained from many sources in many ways (e.g., food, gasoline, electricity or batteries).

Standard 4**Science and Technology****Understanding Technology**

- ST-1 Explore that some kinds of materials are better suited than others for making something new (e.g., the building materials used in the Three Little Pigs).
- ST-2 Explain that when trying to build something or get something to work better, it helps to follow directions and ask someone who has done it before.
- ST-3 Identify some materials that can be saved for community recycling projects (e.g., newspapers, glass and aluminum).

ST-4 Explore ways people use energy to cook their food and warm their homes (e.g., wood, coal, natural gas and electricity).

ST-5 Identify how people can save energy by turning things off when they are not using them (e.g., lights and motors).

Abilities To Do Technological Design

ST-6 Investigate that tools are used to help make things and some things cannot be made without tools.

ST-7 Explore that several steps are usually needed to make things (e.g., building with blocks).

ST-8 Investigate that when parts are put together they can do things that they could not do by themselves (e.g., blocks, gears and wheels).

Standard 5

Scientific Inquiry

Doing Scientific Inquiry

SI-1 Ask "what happens when" questions.

SI-2 Explore and pursue student-generated "what happens when" questions.

SI-3 Use appropriate safety procedures when completing scientific investigations.

SI-4 Work in a small group to complete an investigation and then share findings with others.

SI-5 Create individual conclusions about group findings.

SI-6 Use appropriate tools and simple equipment/instruments to safely gather scientific data (e.g., magnifiers, timers and simple balances and other appropriate tools).

SI-7 Make estimates to compare familiar lengths, weights and time intervals.

SI-8 Use oral, written and pictorial representation to communicate work.

SI-9

Describe things as accurately as possible and compare with the observations of others.

Standard 6

Scientific Ways of Knowing

Nature of Science

SWK-1

Discover that when a science investigation is done the same way multiple times, one can expect to get very similar results each time it is performed.

SWK-2

Demonstrate good explanations based on evidence from investigations and observations.

Science and Society

SWK-3

Explain that everybody can do science, invent things and have scientific ideas no matter where they live.