

TITLE	IL STANDARDS ADDRESSED	GR LEVEL	LEXILE LEVEL	BOOK SUMMARY	VOCABULARY
<b>A Favorite Season</b> ISBN 0022789731 6 PK ISBN 22793062	12.E.1b, 12.F.1b	D	90	<i>A Favorite Season</i> describes characteristics of each of the four seasons, and uses pictures to illustrate weather and activities associated with each season	spring summer winter
<b>All About Animals</b> ISBN 0022845917 6 PK ISBN 22863826	12.A.1a, 12.B.1a	C	380	<i>All About Animals</i> describes characteristics that help animals survive in their specific habitats. Photo are used to illustrate each of the animals and their habitats.	blubber hoof hooves
<b>All Kinds of Plants</b> ISBN 0022789669 6 PK ISBN 22792996	12.A.1b	B	BR	<i>All Kinds of Plants</i> uses simple words and pictures to describe and compare plants. This book also identifies some plants that are commonly used by people as food.	food plant
<b>America, The Beautiful</b> ISBN 0022845925 6 PK ISBN 22863834	12.E.1a	A	230	<i>America the Beautiful</i> introduces the terms mountain and canyon in a simple rhyming text. These landforms are shown in photos from the point of view of a soaring eagle.	canyon mountain
<b>Animals Grow</b> ISBN 002281079X 6 PK ISBN 22827137	12.B.1a	D	210	<i>Animals Grow</i> shows the growth and development of animals such as giraffes and bears. The life cycle of a monarch butterfly is described with the words "grow" and "change," and a three-photo sequence shows the steps of butterfly's life cycle.	change grow
<b>Animals on the Move</b> ISBN 0022845895 6 PK ISBN 22863818	12.A.1a, 12.D.1a	B	180	<i>Animals on the Move</i> uses photos to show how different kinds of animals move. Crawling, running, leaping, flying, and swimming are each shown.	crawl fly leap

\* - Also available in an English Language Learner version

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<b>At the Petting Zoo</b> ISBN 0022789650 6 PK ISBN 22792988	12.A.1b, 12.C.1b	C	NP	<i>At the Petting Zoo</i> uses illustrations and single-word descriptions to identify differences among animals.	smooth rough
<b>Clouds</b> ISBN 002281082X 6 PK ISBN 22827161	12.E.1b	C	150	<i>Clouds</i> describes differences among clouds and uses photos to illustrate different types of clouds. This books also identifies clouds as the source of rain and snow, and asks students to consider whether fog is a cloud.	cloud rain snow
<b>From Seed to Sunflower</b> ISBN 0022845879 6 PK ISBN 22863788	12.A.1a	C	320	<i>From Seed to Sunflower</i> shows and describes the life cycle of a sunflower plant.	flower seed sunflower
<b>Good Morning</b> ISBN 0022784594 6 PK ISBN 22792880	12.F.1b	B	BR	<i>Good Morning</i> shows a variety of animals in the morning and in the evening. Students are asked to think about things that typically occur in the morning.	morning
<b>I Like Ice</b> ISBN 0022846034 6 PK ISBN 002286394X	12.C.1b	B	210	<i>I Like Ice</i> explains that water is a solid when it is cold and a liquid when it gets warmer. The terms frozen and melts are used to describe changes in state.	frozen icicle melt
<b>Land High and Low</b> ISBN 0022810811 6 PK ISBN 22827153	12.E.1a	C	150	<i>Land High and Low</i> describes mountains, valleys, canyons, and shows the ocean shore. Activities associated with each landform, such as hiking and sledding, are also mentioned.	canyon mountain valley

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TITLE	IL STANDARDS ADDRESSED	GR LEVEL	LEXILE LEVEL	BOOK SUMMARY	VOCABULARY
<b>Made from Clay</b> ISBN 0022845992 6 PK ISBN 22863915	13.B.1d	B	260	<i>Made From Clay</i> identifies clay as an earth material and shows the many ways that people use clay.	clay mask pot
<b>Making Sounds</b> ISBN 0022820272 6 PK ISBN 22869174	13.B.1e	C	70	<i>Let's Make Sounds</i> shows several different ways that students can generate sounds. Photographs show students using recycled materials as musical instruments.	sound
<b>Matter Changes</b> ISBN 0022846042 6 PK ISBN 22863958	12.C.1b	C	220	<i>Matter Changes</i> describes matter, explains that matter is made up of tiny parts, and shows the three common states of matter. The role of heat in changes of state is also identified.	gas liquid solid
<b>Melting Snow</b> ISBN 0022846026 6 PK ISBN 22863931	12.C.1b, 13.A.1c	A	40	<i>Melting Snow</i> describes the change of state from solid to liquid that occurs when sunlight warms snow.	melting puddle Sun
<b>Our Desert Home</b> ISBN 0022789723 6 PK ISBN 22793054	11.A.1d, 12.B.1a	C	BR	<i>Our Desert Home</i> uses illustrations to identify the plants, insects, reptiles, birds, and mammals that live in a desert habitat.	bird reptile mammal
<b>Our Land</b> ISBN 0022845933 6 PK ISBN 22863842	12.E.1a	B	330	<i>Our Land</i> uses photographs to illustrate landforms and habitats, such as mountains, forests, valleys, deserts, rivers, and oceans.	land ocean valley

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TITLE	IL STANDARDS ADDRESSED	GR LEVEL	LEXILE LEVEL	BOOK SUMMARY	VOCABULARY
<b>Plant Parts</b> ISBN 0022789677 6 PK ISBN 22793003	12.A.1a, 13.A.1c	C	270	<b>Plant Parts</b> identifies roots, stems, leaves, flowers, cones, and fruits as plant parts.	fruit root stem
<b>Plants Grow</b> ISBN 0022810781 6 PK ISBN 22827129	12.B.1a	B	BR	<b>Plants Grow</b> identifies water, light, and soil as basic needs of plants.	soil
<b>Recycle, Reduce, Reuse</b> ISBN 0022845941 6 PK ISBN 22863850	13.B.1e	C	340	<b>Recycle, Reduce, Reuse</b> uses brief explanations and photos to define each of these methods of protecting the environment.	recycle reduce reuse
<b>Rocks</b> ISBN 0022810803 6 PK ISBN 22827145	12.E.1a	C	20	<b>Rocks</b> compares the colors, sizes, and textures of a variety of rocks.	rock
<b>Seasons</b> ISBN 002284595X 6 PK ISBN 22863869	12.E.1b	A	50	<b>Seasons</b> illustrates the weather, clothing, and activities associated with each of the four seasons.	season weather
<b>Small Plants Tall Plants</b> ISBN 0022845852 6 PK ISBN 22863761	12.A.1b	A	310	<b>Small Plants, Tall Plants</b> describes the characteristics of some types of plants and points out differences among plants.	moss redwood sunflower

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TITLE	IL STANDARDS ADDRESSED	GR LEVEL	LEXILE LEVEL	BOOK SUMMARY	VOCABULARY
<b>Soft or Hard?</b> ISBN 0022845984 6 PK ISBN 22863893	12.C.1b	A	BR	<i>Soft or Hard?</i> defines matter and describes different textures associated with solid matter. Examples of objects with different textures are identified.	matter solid
<b>That Night Sky</b> ISBN 0022810838 6 PK ISBN 002282717X	12.F.1b	C	80	<i>The Night Sky</i> describes objects that are visible in the night sky, including the Moon and stars. Patterns of stars and phases of the Moon are pictures.	moon stars
<b>Toys that Move</b> ISBN 0022789715 6 PK ISBN 22793046	12.D.1a, 12.D.1b	C	330	<i>Toys That Move</i> uses toys to illustrate the fact that pushes and pulls (forces) change the motion of objects.	push pull
<b>Water Moves</b> ISBN 0022810862 6 PK ISBN 22827218	12.C.1b	C	BR	<i>Water Moves</i> uses simple rhyming text to identify some of the properties of solid and liquid water.	water
<b>What Can a Magnet Do?</b> ISBN 0022846018 6 PK ISBN 22863923	12.D.1b	C	260	<i>What Can a Magnet Do?</i> explains that magnets can push or pull objects and shows some applications of magnets.	magnet pull push
<b>What is the Weather?</b> ISBN 0022845968 6 PK ISBN 22863877	12.E.1b, 13.A.1c	B	BR	<i>What Is the Weather?</i> uses the terms sunny, rainy, windy, cloudy, and snowy to describe the weather.	cloudy weather windy

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TITLE	IL STANDARDS ADDRESSED	GR LEVEL	LEXILE LEVEL	BOOK SUMMARY	VOCABULARY
<b>What Kind of Animal Are You?</b> ISBN 0022845887 6 PK ISBN 22863796	12.A.1a	A	BR	<i>What Kind of Animal Are You?</i> points out characteristics of birds, fish, and mammals, and leads students to the conclusion that humans are mammals.	feather mammal scales
<b>What Will I Wear Today?</b> ISBN 0022845976 6 PK ISBN 22863885	12.E.1b	C	170	<i>What Will I Wear Today?</i> shows clothing associated with each season of the year.	fall spring summer winter
<b>What's in the Soil?</b> ISBN 0022789707 6 PK ISBN 22793038	12.E.1a	C	BR	<i>What's In the Soil?</i> identifies living and nonliving things found in soil.	soil
<b>Where Do Plants Live?</b> ISBN 0022845860 6 PK ISBN 002286377X	12.B.1a	B	350	<i>Where Do Plants Live?</i> shows the types of plants associated with different environments.	dry plant wet
<b>Working with Clay</b> ISBN 0022810854 6 PK ISBN 22827196	13.B.1d	G	510	<i>Working with Clay</i> shows that clay is an earth material, and sequences the steps in making a useful product with clay.	clay
<b>Working with Wood</b> ISBN 0022810846 6 PK ISBN 22827188	13.B.1d	E	290	<i>Working with Wood</i> explains that wood comes from trees and describes the processes used to make useful products with wood.	wood

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# ILLINOIS LEARNING STANDARDS

<b>STATE GOAL 11:</b>	<p><b>Understand the processes of scientific inquiry and technological design to investigate questions, conduct experiments and solve problems.</b></p> <p>Why This Goal Is Important: The inquiry process prepares learners to engage in science and apply methods of technological design. This understanding will enable students to pose questions, use models to enhance understanding, make predictions, gather and work with data, use appropriate measurement methods, analyze results, draw conclusions based on evidence, communicate their methods and results, and think about the implications of scientific research and technological problem solving.</p>	
<b>A.</b>	<b>Know and apply the concepts, principles and processes of scientific inquiry.</b>	
11.A.1a	Describe an observed event.	
11.A.1b	Develop questions on scientific topics.	
11.A.1c	Collect data for investigations using measuring instruments and technologies.	
11.A.1d	Record and store data using available technologies.	
11.A.1e	Arrange data into logical patterns and describe the patterns.	
11.A.1f	Compare observations of individual and group results.	
<b>B.</b>	<b>Know and apply the concepts, principles and processes of technological design.</b>	
11.B.1a	Given a simple design problem, formulate possible solutions.	
11.B.1b	Design a device that will be useful in solving the problem.	
11.B.1c	Build the device using the materials and tools provided.	
11.B.1d	Test the device and record results using given instruments, techniques and measurement methods.	
11.B.1e	Report the design of the device, the test process and the results in solving a given problem.	

<b>STATE GOAL 12:</b>	<b>Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.</b> Why This Goal Is Important: This goal is comprised of key concepts and principles in the life, physical and earth/space sciences that have considerable explanatory and predictive power for scientists and non-scientists alike. These ideas have been thoroughly studied and have stood the test of time. Knowing and being able to apply these concepts, principles and processes help students understand what they observe in nature and through scientific experimentation. A working knowledge of these concepts and principles allows students to relate new subject matter to material previously learned and to create deeper and more meaningful levels of understanding.	
<b>A.</b>	<b>Know and apply concepts that explain how living things function, adapt and change.</b>	
<b>12.A.1a</b>	Identify and describe the component parts of living things (e.g., birds have feathers; people have bones, blood, hair, skin) and their major functions.	
<b>12.A.1b</b>	Categorize living organisms using a variety of observable features (e.g., size, color, shape, backbone).	
<b>B.</b>	<b>Know and apply concepts that describe how living things interact with each other and with their environment.</b>	
<b>12.B.1a</b>	Describe and compare characteristics of living things in relationship to their environments.	
<b>12.B.1b</b>	Describe how living things depend on one another for survival.	
<b>C.</b>	<b>Know and apply concepts that describe properties of matter and energy and the interactions between them.</b>	
<b>12.C.1a</b>	Identify and compare sources of energy (e.g., batteries, the sun).	
<b>12.C.1b</b>	Compare large-scale physical properties of matter (e.g., size, shape, color, texture, odor).	
<b>D.</b>	<b>Know and apply concepts that describe force and motion and the principles that explain them.</b>	
<b>12.D.1a</b>	Identify examples of motion (e.g., moving in a straight line, vibrating, rotating).	
<b>12.D.1b</b>	Identify observable forces in nature (e.g., pushes, pulls, gravity, magnetism).	

<b>E.</b>	<b>Know and apply concepts that describe the features and processes of the Earth and its resources.</b>	
<b>12.E.1a</b>	Identify components and describe diverse features of the Earth's land, water and atmospheric systems.	
<b>12.E.1b</b>	Identify and describe patterns of weather and seasonal change.	
<b>12.E.1c</b>	Identify renewable and nonrenewable natural resources.	
<b>F.</b>	<b>Know and apply concepts that explain the composition and structure of the universe and Earth's place in it.</b>	
<b>12.F.1a</b>	Identify and describe characteristics of the sun, Earth and moon as familiar objects in the solar system.	
<b>12.F.1b</b>	Identify daily, seasonal and annual patterns related to the Earth's rotation and revolution.	
<b>STATE GOAL 13:</b>	<b>Understand the relationships among science, technology and society in historical and contemporary contexts.</b> Why This Goal Is Important: Understanding the nature and practices of science such as ensuring the validity and replicability of results, building upon the work of others and recognizing risks involved in experimentation gives learners a useful sense of the scientific enterprise. In addition, the relationships among science, technology and society give humans the ability to change and improve their surroundings. Learners who understand this relationship will be able to appreciate the efforts and effects of scientific discovery and applications of technology on their own lives and on the society in which we live.	
<b>A.</b>	<b>Know and apply the accepted practices of science.</b>	
<b>13.A.1a</b>	Use basic safety practices (e.g., not tasting materials without permission, "stop/drop/roll").	
<b>13.A.1b</b>	Explain why similar results are expected when procedures are done the same way.	
<b>13.A.1c</b>	Explain how knowledge can be gained by careful observation.	
<b>B.</b>	<b>Know and apply concepts that describe the interaction between science, technology and society.</b>	
<b>13.B.1a</b>	Explain the uses of common scientific instruments (e.g., ruler, thermometer, balance, probe, computer).	

<b>13.B.1b</b>	Explain how using measuring tools improves the accuracy of estimates.	
<b>13.B.1c</b>	Describe contributions men and women have made to science and technology.	
<b>13.B.1d</b>	Identify and describe ways that science and technology affect people's everyday lives (e.g., transportation, medicine, agriculture, sanitation, communication occupations).	
<b>13.B.1e</b>	Demonstrate ways to reduce, reuse and recycle materials.	