

SCIENCE KIT TRADE BOOKS

The following are examples of books that have been used nationally in conjunction with FOSS science kit programs. A complete list is available in the school library. Although, not required they provide the opportunity to pursue related readings with specific kits.

Animals 2X2

About Reptiles: A Guide for Children

Author: **Cathryn P. Sill** - Illustrated by: **John Sill**

Level: **K-2** - Publisher: **Peachtree Press** - Year: **1999** - ISBN: **1-561-45183-5**

Description: Information about 15 reptiles is presented in brief sentences that describe their characteristics and habits. The afterword gives more details on the reptiles.

All Around Me I See

Author: **Laya Steinberg** - Illustrated by: **Cris Arbo**

Level: **K-2** - Publisher: **Dawn Publications** - Year: **2005** - ISBN: **1-58469-069-0**

Description: With eyes wide open to the mysteries of nature, a child on a hike discovers that "a leaf is a boat for a beetle" and that "a nest is a cradle for eggs." Tired from her long walk, she sleeps-and in her dream she flies like a bird and marvels at the beauty around her.

Animal Dads

Author: **Sneed B. Collard III** - Illustrated by: **Steve Jenkins**

Level: **K-2** - Publisher: **Sandpiper** - Year: **2000** - ISBN: **0-618-03299-1**

Description: The responsibilities of male parents in the wild are presented, featuring two levels of text. A read-aloud text is partnered with informative paragraphs that provide details for older readers.

Animal Patterns (Series)

Author: **Nathan Olson** - Illustrated by: ---

Level: **K-2** - Publisher: **Capstone Press** - Year: **2007** - ISBN: **978-0-7368-6728-3**

Description: The animal patterns featured in this book can be as small as the parallel threads of a spider's web or as large as elephants walking in a line and forming a predictable configuration of alternating sizes.

Animals in Danger

Author: **Ellen Catala** - Illustrated by: ---

Level: **K-1** - Publisher: **Capstone Press** - Year: **2006** - ISBN: **0-7368-5832-6**

Description: Learn what animals need to survive and how humans are disrupting their space and endangering their lives.

Animals in Winter

Author: **Martha Rustad** - Illustrated by: ---

Level: **K-1** - Publisher: **Capstone Press** - Year: **2009** - ISBN: **978-1-4296-2200-4**

Description: In winter, animals go through many changes. See what else animals do during the winter season.

Animals Two By Two

Author: **Larry Lowery** - Illustrated by: ---

Level: **K-3** - Publisher: **Delta Education** - Year: **2003** - ISBN: **0-7826-0722-5**

Description: Animals are presented two by two, and the reader is challenged to use observational techniques to differentiate between them. Available for purchase from Delta Education.

Are You A Snail?

Author: **Judy Allen, Tudor Humphries** - Illustrated by: ---

Level: **K-2** - Publisher: **Kingfisher** - Year: **2000** - ISBN: **0-753-45242-1**

Description: A fun and informative book that introduces the life and characteristics of a backyard snail.

New Plants

Bread Is For Eating

Author: **David Gershator** - Illustrated by: ---

Level: **K-3** - Publisher: **Henry Holt and Company** - Year: **1998** - ISBN: **0-8050-5798-6**

Description: Spanish and English are blended within this graceful narrative of the making of bread from grain to table.

Flowers

Author: **Vijaya Khisty Bodach** - Illustrated by: ---

Level: **K-1** - Publisher: **Capstone Press** - Year: **2007** - ISBN: **978-0-7368-6342-1**

Description: Each part of a plant helps it grow and live. From roots to fruits, this book reveals in-the-soil and up-close looks at the amazing world of plants.

Growing Vegetable Soup

Author: **Lois Ehlert** - Illustrated by: ---

Level: **1-2** - Publisher: **Harcourt Brace** - Year: **1990** - ISBN: **0-1523-2580-8**

Description: Children grow vegetables in their garden, harvest them, and make vegetable soup. Recipe included.

A Handful Of Sunshine

Author: **Melanie Eclare** - Illustrated by: ---

Level: **1-3** - Publisher: **Ragged Bears** - Year: **2000** - ISBN: **1-929927-14-2**

Description: Beautiful photographs and simple words describe a young girl's experience as she plants a handful of sunflower seeds and cares for them as they grow into huge blossoms. Helpful instructions are included.

How A Seed Grows

Author: **Helene J. Jordan** - Illustrated by: **Loretta Krupinski**

Level: **K-5** - Publisher: **HarperCollins** - Year: **1992** - ISBN: **0-064-45107-0**

Description: In simple, clear text this book describes how a seed gets water, nutrients, and sunlight and highlights the life cycle of a bean plant. It offers instruction on how to plant bean seeds in eggshells and encourages the reader to observe their development. The bright detailed pictures dramatize how a little seed may become a flower, a vegetable, or even a huge oak tree.

The Life Cycle of a Bean (Series)

Author: **Linda Tagliaferro** - Illustrated by: ---

Level: **K-2** - Publisher: **Capstone Press** - Year: **2007** - ISBN: **978-0-7368-6710-8**

Description: Watch small bean seeds grow into beans we eat. Learn about this vegetable's life cycle from start to finish

Air & Weather

Air Is Everywhere

Author: **Melissa Stewart** - Illustrated by: ---

Level: **1-4** - Publisher: **Compass Point Books** - Year: **2004** - ISBN: **0-756-50638-7**

Description: Introduces the characteristics and importance of air through text, illustrations, and activities. Includes bibliography and index.

Caliente O Frio (Hot or Cold?)

Author: **Elena Martin** - Illustrated by: ---

Level: **K-3** - Publisher: **Capstone Press** - Year: **2005** - ISBN: **0-7368-4129-6**

Description: Introduces objects that are either hot or cold, and invites the reader to identify hot or cold things around themselves. Spanish version.

Can You See The Wind?

Author: **Allan Fowler** - Illustrated by: ---

Level: **1-2** - Publisher: **Scholastic Library** - Year: **1999** - ISBN: **0-516-26479-6**

Description: This simple reader describes how wind is created and how we can "see" it—in sand dunes, flags, trees, kites, and clouds.

Climates

Author: **Theresa Jarosz Alberti** - Illustrated by: ---

Level: **1-3** - Publisher: **Capstone Press** - Year: **2005** - ISBN: **0-736-83735-3**

Description: Introduces the main climates on Earth, including tropical, temperate, polar, and dry climates.

The Cloud Book

Author: **Tomie dePaola** - Illustrated by: **Tomie DePaola**

Level: **K-2** - Publisher: **Holiday House** - Year: **1984** - ISBN: **0-823-40531-1**

Description: The ten most common types of clouds are identified by both their familiar and scientific names. They are introduced along with the myths that have been inspired by their shapes and what they indicate about the weather.

Cloud Dance

Author: **Thomas Locker** - Illustrated by: ---

Level: **K-2** - Publisher: **Harcourt** - Year: **2003** - ISBN: **0-152-04596-1**

Description: Many kinds of clouds are depicted in Locker's dramatic oil paintings and briefly described in poetic descriptions. Information at the back tells more about cloud formations.

Clouds

Author: **Gail Saunders-Smith** - Illustrated by: ---

Level: **K-3** - Publisher: --- - Year: **2004** - ISBN: **0-7368-2307-7**

Description: Describes different kinds of clouds--cirrus, cumulus, stratus and nimbus--and the types of weather they indicate.

Balance & Motion

Around and Around

Author: **Patricia J. Murphy** - Illustrated by: ---

Level: **1-2** - Publisher: **Scholastic Library** - Year: **2002** - ISBN: **0-516-22550-2**

Description: Introduces circular movement and the forces that affect it.

Back and Forth

Author: **Lola M. Schaefer** - Illustrated by: ---

Level: **1-2** - Publisher: **Pebble Books, Capstone Press** - Year: **2000** - ISBN: **0-7368-0398**

Description: Simple text and photographs provide examples of back-and-forth movement, including the pendulum in a clock, a child in a rocking chair, and a tree in the wind. 24 pages

Back and Forth

Author: **Patricia J. Murphy** - Illustrated by: ---

Level: **1-2** - Publisher: **Scholastic Library** - Year: **2002** - ISBN: **0-516-22552-9**

Description: A simple introduction to back-and-forth movement.

Balances

Author: **Adele Richardson** - Illustrated by: ---

Level: **K-3** - Publisher: --- - Year: **2004** - ISBN: **0-7368-2516-9**

Description: Introduces the function, parts, and uses of balances, and provides instructions for two activities that demonstrate how a balance works.

The Bicycle

Author: **Larry Hills** - Illustrated by: ---

Level: **2-5** - Publisher: **Fact Finders** - Year: **2005** - ISBN: **0-7368-2668-8**

I Fall Down

Author: **Vicki Cobb** - Illustrated by: ---

Level: **K-3** - Publisher: **HarperCollins** - Year: **2004** - ISBN: **0-688-17842-1**

Description: Why do things fall down? In this book, illustrations and playful type lead you to explore how gravity works. With materials like molasses, sponges, soap, and rubber bands, the book suggests casual activities to play with both gravity and weight.

Inclined Planes

Author: **Michael S. Dahl** - Illustrated by: ---

Level: **K-2** - Publisher: **Capstone Press** - Year: **1996** - ISBN: **1-560-65447-3**

Description: Describes many different kinds, uses, and benefits of inclined planes, and provides basic information about levers, inclined planes, pulleys, and wheels and axles.

Inclined Planes to the Rescue (Series)

Author: **Sharon Thales** - Illustrated by: ---

Level: **1-3** - Publisher: **Capstone Press** - Year: **2007** - ISBN: **978-0-7368-6752-8**

Description: What do wheelchair ramps, slides, and roller coasters have in common? They're all inclined planes. Read Inclined Planes to the Rescue to learn what inclined planes are, how they work, and how these simple machines can save the day.

Insects

100 Things You Should Know About Insects and Spiders

Author: **Steve Parker, Jim Flegg** - Illustrated by: ---

Level: **K-3** - Publisher: **Barnes and Noble Books** - Year: **2004** - ISBN: **0-760-75398-9**

Description: Detailed artwork reveals the amazing variety of silky spiders and intriguing insects. Includes puzzles, quizzes, and projects.

About Insects: A Guide for Children

Author: **Cathryn Sill** - Illustrated by: **John Sill**

Level: **1-3** - Publisher: **Peachtree** - Year: **2003** - ISBN: **1-561-45232-7**

Description: Explains the basic characteristics that all insects share, while offering a close look at a few of the many animals in this diverse category.

Ant Cities

Author: **Arthur Dorros** - Illustrated by: ---

Level: **K-3** - Publisher: **HarperCollins Children's Books** - Year: **1988** - ISBN: **0-064-45079-1**

Description: Explains how ants live and work together to build and maintain their cities.

Are You a Bee?

Author: **Judy Allen** - Illustrated by: **Tudor Humphries**

Level: **K-2** - Publisher: **Kingfisher** - Year: **2004** - ISBN: **0-753-45804-7**

Description: Introduces the life cycle of bees and their behavior. Also compares a bee to a human.

Are You A Butterfly?

Author: **Judy Allen** - Illustrated by: **Tudor Humphries**

Level: **K-2** - Publisher: **Kingfisher** - Year: **2003** - ISBN: **0-753-45608-7**

Description: The clever and informative text introduces children to the life cycle of a butterfly, showing how it changes from an egg to a chrysalis to a butterfly.

Bananas!

Author: **Author: Jacqueline Farmer** - Illustrated by: **Page Eastburn O'Rourke**

Level: **K-5** - Publisher: **Charlesbridge** - Year: **1999** - ISBN: **0-881-06115-8**

Description: Describes the growth cycle, varieties, history, and nutritional value of bananas.

Bees

Author: **Deborah Hodge** - Illustrated by: **Julian Mulock**

Level: **K-2** - Publisher: **Kids Can Press** - Year: **2004** - ISBN: **1-553-37656-0**

Description: Learn about the life cycle of a bee as it grows from an egg to an adult. Discover how bees "talk" to one another.

Beetles

Author: **Deirdre A. Prischmann** - Illustrated by: ---

Level: **K-2** - Publisher: **Capstone Press** - Year: **2005** - ISBN: **0-736-83706-X**

Description: A brief introduction to beetles, discussing their characteristics, habitat, life cycle, and predators. Includes a range map, life-cycle illustration, and facts.

Pebbles, Sand, & Silt

Archaeologists Dig for Clues

Author: **Kate Duke** - Illustrated by: ---

Level: **K-5** - Publisher: **HarperCollins** - Year: **1997** - ISBN: **0-064-45175-5**

Description: A boy and his friends go on a dig in a local cornfield with their archaeologist friend Sophi and make discoveries about how scientists learn about the past. They learn that small pieces of stone, bone, or fossils are clues to long ago.

Be a Friend to Trees

Author: **Patricia Lauber** - Illustrated by: **Holly Keller**

Level: **K-5** - Publisher: **HarperCollins** - Year: **1994** - ISBN: **0-064-45120-8**

Description: This easy-to-read book discusses the importance of trees as sources of food and oxygen for people and wild animals. Diagrams and full-color labeled illustrations complement the text. The author recommends actions such as conserving and recycling paper.

Best Book Of Fossils, Rocks, And Minerals

Author: **Chris Pellant** - Illustrated by: ---

Level: **2-4** - Publisher: **Larousse Kingfisher Chambers** - Year: **2000** - ISBN: **0-7534-5274-X**

Description: A colorfully illustrated overview of different kinds of rocks and minerals with suggestions on how to start and organize a rock collection.

The Big Rock

Author: **Bruce Hiscock** - Illustrated by: ---

Level: **K-5** - Publisher: **Aladdin** - Year: **1999** - ISBN: **0-689-82958-2**

Description: This concept book tells how a large granite rock in the forest came to be and its changes over time. Geological terms are explained and can be enhanced with teacher support. Full-page, realistic illustrations help to clarify the story.

Clay

Author: **Mary Firestone** - Illustrated by: ---

Level: **K-3** - Publisher: --- - Year: **2005** - ISBN: **0-7368-2649-1**

Description: Discusses where clay comes from, its features and how it is used.

Digging Up Dinosaurs

Author: **Aliki** - Illustrated by: ---

Level: **K-2** - Publisher: **HarperCollins** - Year: **1988** - ISBN: **0-064-45078-3**

Description: Introduces various types of dinosaurs whose skeletons and reconstructions are seen in museums. Explains how scientists uncover, preserve, and study fossilized dinosaur bones.

Solids & Liquids

Building with Shapes

Author: **Rebecca Weber** - Illustrated by: ---

Level: **K-3** - Publisher: **Compass Point Books** - Year: **2005** - ISBN: **0-756-50655-7**

Description: Find out about the variety of shapes humans use in building structures, including cubes, domes, cones, arches and more.

Drop of Water: A Book of Science and Wonder

Author: **Walter Wick** - Illustrated by: ---

Level: **K-8** - Publisher: **Scholastic** - Year: **1997** - ISBN: **0-590-22197-3**

Description: Dramatic stop-action photography helps explain various properties of water such as surface tension, adhesion, capillary attraction, molecular motion, freezing, evaporation, and condensation.

Everything Is Matter!

Author: **David Bauer** - Illustrated by: ---

Level: **K-2** - Publisher: **Capstone Press** - Year: **2004** - ISBN: **0-736-82942-3**

Description: Offers a very simple introduction to the three states of matter.

Everything Is Matter! (Spanish)

Author: **David Bauer** - Illustrated by: ---

Level: **Pre-K-3** - Publisher: **Capstone Press** - Year: **2005** - ISBN: **0-7368-4160-1**

Description: A very simple introduction to the three states of matter.

Ice

Author: **Helen Frost** - Illustrated by: ---

Level: **Pre-K-2** - Publisher: --- - Year: **2004** - ISBN: **0-7368-2094-9**

Description: Simple text and photographs present ice, how it is formed, and how it affects the Earth and people.

Is It Rough? Is It Smooth? Is It Shiny?

Author: **Tana Hoban** - Illustrated by: ---

Level: **1-2** - Publisher: **Morrow/Greenwillow Books** - Year: **1984** - ISBN: **0-688-0382-39**

Description: Color photographs without text introduce objects of many different textures, such as pretzels, foil, hay, mud, a kitten, and bubbles. 32 pages

Kid's Cooking: A Very Slightly Messy Manual

Author: **Klutz Press** - Illustrated by: ---

Level: **1-2** - Publisher: **Klutz Press** - Year: **1987** - ISBN: **0-932592-14-7**

Description: A cookbook that includes 45 kid-tested recipes for easy-to-make kitchen crafts and cuisine, such as giant soap bubbles, play dough, finger paint, and "not-so-sloppy joes." 78 pages

Water

America's Wetlands

Author: **Frank Staub** - Illustrated by: ---

Level: **4-8** - Publisher: **Carolrhoda Books** - Year: **1995** - ISBN: **0-876-14-827-5**

Description: Describes wetland environments, how to recognize them, and why some wetlands aren't always wet. Introduces a wide variety of plants and animals that depend on wetlands. Color photographs.

Clouds

Author: **Gail Saunders-Smith** - Illustrated by: ---

Level: **K-3** - Publisher: --- - Year: **2004** - ISBN: **0-7368-2307-7**

Description: Describes different kinds of clouds--cirrus, cumulus, stratus and nimbus--and the types of weather they indicate.

Do You Know Where Your Water Has Been? The Disgusting Story Behind What You're Drinking

Author: **Kelly Barnhill** - Illustrated by: ---

Level: **3-4** - Publisher: **Capstone Press** - Year: **2009** - ISBN: **978-1-4296-1995-0**

Description: Would you drink water out of a dirty lake or stream? Even if it looks clean, untreated water can have deadly bacteria in it. Discover the nasty effects of unclean water and learn about the process by which clean, clear water gets to your tap.

A Drop of Water

Author: **Walter Wick** - Illustrated by: ---

Level: **K-8** - Publisher: **Scholastic** - Year: **1997** - ISBN: **0-590-22197-3**

Description: Dramatic stop-action photography helps illustrate the properties of water in its various states—ice, steam, frost, dew, and rainbow—and supplies basic explanations of related scientific terms and phenomena, including capillary attraction and surface tension.

Hurricanes

Author: **Seymour Simon** - Illustrated by: ---

Level: **2-8** - Publisher: **HarperCollins** - Year: **2003** - ISBN: **0688162916**

Description: Describes the formation of hurricanes, the effects of heavy winds and rain, and the damage caused by flooding after a hurricane has passed. Satellite images and full-color photographs are included, as well as stories about hurricanes, including Andrew, Camille, and Floyd.

Hydroelectric Power

Author: **Josepha Sherman** - Illustrated by: ---

Level: **3-5** - Publisher: --- - Year: **2004** - ISBN: **0-7368-2472-3**

Description: Introduces the history, uses, production, advantages and disadvantages, and future of hydroelectric energy as a power resource. Includes bibliography and index.

Ideas & Inventions

Accidents May Happen

Author: **Charlotte Foltz Jones** - Illustrated by: **John O'Brien**

Level: **4-6** - Publisher: **Delacorte Books** - Year: **1998** - ISBN: **038-5322-402**

Description: Describes how such everyday items as ice-cream sodas, microwave ovens, and yo-yos were invented or discovered accidentally, in a humorous fact book that is complemented by jokes and sidebars.

The Airplane

Author: **Julie L. Sinclair** - Illustrated by: ---

Level: **3-5** - Publisher: --- - Year: **2004** - ISBN: **0-7368-2213-5**

Description: Explore the history of the airplane and discover how this great invention developed into the aircraft we use today.

The Automobile

Author: **Julie L. Sinclair** - Illustrated by: ---

Level: **3-5** - Publisher: --- - Year: **2004** - ISBN: **0-7368-2214-3**

Description: Explore the history of the automobile and discover how this great invention developed into the cars we use today.

The Bicycle

Author: **Larry Hills** - Illustrated by: ---

Level: **2-5** - Publisher: **Fact Finders** - Year: **2005** - ISBN: **0-7368-2668-8**

Description: Introduces the history and development of the bicycle and explains how a bicycle works.

Brainstorm! The Stories Of Twenty American Kid Inventors

Author: **Tom Tucker** - Illustrated by: **Richard Loehle**

Level: **3-6** - Publisher: **Farrar, Straus and Giroux** - Year: **1995** - ISBN: **0-374-30944-2**

Description: An excellent resource about kids whose creativity and imagination led them to invent many useful things.

The Camera

Author: **Larry Hills** - Illustrated by: ---

Level: **-5** - Publisher: **Fact Finders** - Year: **2005** - ISBN: **0-7368-2669-6**

Description: Introduces the history and development of the camera and explains how a film camera works.

The Computer

Author: **Gayle Worland** - Illustrated by: ---

Level: **3-5** - Publisher: --- - Year: **2004** - ISBN: **0-7368-2215-1**

Earth Materials

Crystal and Gem

Author: **R. F. Symes, R. R. Harding** - Illustrated by: ---

Level: **3-6** - Publisher: **DK Publishing (Eyewitness Book)** - Year: **2007** - ISBN: **0-756-63001-0**

Description: Photos show the natural beauty of crystals of every size, shape, and color.

Fossil Fuel Power

Author: **Josepha Sherman** - Illustrated by: ---

Level: **3-5** - Publisher: --- - Year: **2004** - ISBN: **0-7368-2470-7**

Description: Introduces the history, uses, production, advantages and disadvantages, and future of fossil fuel energy as a power resource.

Let's Go Rock Collecting

Author: **Roma Gans** - Illustrated by: **Holly Keller**

Level: **K-4** - Publisher: **HarperCollins** - Year: **1997** - ISBN: **0-064-45170-4**

Description: Discusses the formation and characteristics of igneous, metamorphic, and sedimentary rocks and how to recognize and collect them.

Let's Look at Rocks (Spanish)

Author: **Jeri Cipriano** - Illustrated by: ---

Level: **Pre-K-3** - Publisher: **Capstone Press** - Year: **2005** - ISBN: **0-7368-4161-X**

Description: Simple text and photographs introduce rocks, where they can be found, some formations they make, and how people use rocks.

Matter & Energy

Atoms

Author: **Cindy Devine Dalton, Ed Sikora, Teresa Sikora, Kathleen Carreiro** - Illustrated by: ---

Level: **1-4** - Publisher: **Rourke Publishing** - Year: **2001** - ISBN: **1-589-52010-6**

Description: An excellent starting point for primary students learning the concepts of atoms, atomic energy, and matter.

Color

Author: **Ellen Sturm Niz** - Illustrated by: ---

Level: **K-3** - Publisher: **Capstone Press** - Year: **2006** - ISBN: **0-7368-5400-2**

Description: Color fills the world around us. Learn in this book how we see color and how different objects can be different colors.

Day Light, Night Light: Where Light Comes From

Author: **Franklyn M. Branley** - Illustrated by: **Stacey Schuett**

Level: **K-2** - Publisher: **HarperCollins** - Year: **1998** - ISBN: **0-064-45171-2**

Description: Describes the physical properties of light. A child observes light from a jar of fireflies and candles on a birthday cake as examples of light coming from sources of heat.

Did You Hear That?

Author: **Caroline Arnold** - Illustrated by: **Cathy Trachok**

Level: **3-5** - Publisher: **Charlesbridge** - Year: **2001** - ISBN: **1-570-91405-2**

Description: Visit the fascinating world of animals that create and hear sounds either too high or too low for human ears. Without these abilities, they wouldn't be able to communicate, hunt, or avoid being hunted.

A Drop of Water

Author: **Walter Wick** - Illustrated by: ---

Level: **K-8** - Publisher: **Scholastic** - Year: **1997** - ISBN: **0-590-22197-3**

Description: Dramatic stop-action photography helps illustrate the properties of water in its various states—ice, steam, frost, dew, and rainbow—and supplies basic explanations of related scientific terms and phenomena, including capillary attraction and surface tension.

Energy and Power

Author: **Rosie Harlow, Sally Morgan** - Illustrated by: ---

Level: **3-8** - Publisher: **Houghton Mifflin** - Year: **2002** - ISBN: **0-753-45502-1**

Description: Explains what energy is and how we use it. Covers our use of both renewable and nonrenewable resources, as well as various forms of alternative energy.

Magnetism & Electricity

Alexander Graham Bell: An inventive Life

Author: **Elizabeth MacLeod** - Illustrated by: **Barbara Spurl**

Level: **3-5** - Publisher: **Kids Can Press** - Year: **1999** - ISBN: **1-550-74456-9**

Description: This biography follows Bell's life from his birth in Scotland through his many inventions and achievements, and concludes with his last few experiments and his death at his home in Canada. Equal attention is given to all of Bell's interests, such as his devotion to advancements for the hearing impaired and his later interest in flight. The subject, his family, and sketches of his many inventions appear in photos and reproductions.

Always inventing: A Photobiography of Alexander Graham Bell

Author: **Tom L. Matthews** - Illustrated by: ---

Level: **3-5** - Publisher: **National Geographic Society** - Year: **1999** - ISBN: **0-792-27391-5**

Description: This biography has photographs and quotes from Bell himself. It follows this well-known inventor from his childhood in Scotland through his lifelong efforts to come up with ideas that would improve people's lives.

Awesome Experiments in Electricity and Magnetism

Author: **Michael Dispezios** - Illustrated by: **Matt Lefleur, Catherine Leary**

Level: **4-6** - Publisher: **Sterling Publishing Co.** - Year: **1999** - ISBN: **0-806-99819-9**

Description: More than 70 experiments explore electric charges, static electricity, currents, circuits, switches, and magnetism. Each one includes a brief introduction, a list of materials, directions, and a scientific explanation of the results.

Batteries, Bulbs, And Wires

Author: **David Glover** - Illustrated by: ---

Level: **3-6** - Publisher: **Kingfisher Books/Larousse Kingfisher Chambers** - Year: **2002** - ISBN: **0-753-45510-2**

Description: The hands-on projects in this book explore electricity and its origins, from simple magnets to creating a circuit or a motor.

Benjamin Franklin's Adventures With Electricity

Author: **Beverly Birch, Robin Bell Corfield** - Illustrated by: ---

Level: **3-6** - Publisher: **Barron's Educational Series** - Year: **1995** - ISBN: **0-8120-9790-4**

Description: The story of how Ben Franklin found a way to protect people from the dangers of lightning and opened the way for later generations to harness electrical energy.

Environments

Acid Rain

Author: **Louise Petheram** - Illustrated by: ---

Level: **3-5** - Publisher: **Capstone Press** - Year: **2002** - ISBN: **0-736-81360-8**

Description: The book presents the truth behind acid rain, explains the real situation, and describes some practical solutions.

At Home In The Rainforest

Author: **Diane Willow** - Illustrated by: **Laura Jacques**

Level: **K-3** - Publisher: **Charlesbridge Publishing** - Year: **1991** - ISBN: **0-881-06485-8**

Description: From the tops of the tropical trees to the forest floor, this book shows the interrelationships of plants and animals that thrive at each level of an Amazonian rain forest.

The Case Of The Mummified Pigs, And Other Mysteries In Nature

Author: **Susan E. Quinlan** - Illustrated by: **Jennifer Owings Dewey**

Level: **4-6** - Publisher: **Boyd's Mills Press** - Year: **1999** - ISBN: **1-563-97783-4**

Description: Interesting stories about phenomena in the nature that are explained by scientific research.

The Chimpanzees I Love: Saving Their World and Ours

Author: **Jane Goodall** - Illustrated by: ---

Level: **3-7** - Publisher: **Scholastic** - Year: **2001** - ISBN: **0-439-21310-X**

Description: Goodall explains her findings about chimp communities and communication, the role of hierarchies, and what sort of threats chimpanzees face today. Her account also relates some of her mistakes, such as when she became too close to her subjects and interfered with h Landforms

America's National Parks: The Spectacular Forces That Shaped Our Treasured Lands

Author: **Paul Schullery** - Illustrated by: ---

Level: **5-12** - Publisher: **Tehabi Books/DK Publishing** - Year: **2001** - ISBN: **0 7894 8016 6**

Description: Fifty-six of America's national parks are captured in the photo filled book. It includes interesting, easy to understand background on the geological and ecological forces that continue to make each national park worthy of protection. As one reviewer suggests, "... America's National Parks is a must have for anyone who relishes America's natural wonders and wants to learn more about the powerful forces that created them."

Canyons

Author: **Christine Webster** - Illustrated by: ---

Level: **2-4** - Publisher: **Capstone Press** - Year: **2005** - ISBN: **0-736-83711-6**

Description: Describes canyons, including how they form, plants and animals in canyons, how people and weather change canyons, canyons in North America, and canyons of the world.

The Earth-Shaking Facts about Earthquakes with Max Axiom, Super Scientist (Series)

Author: **Katherine Krohn** - Illustrated by: **Tod Smith and Al Milgrom**

Level: **3-4** - Publisher: **Capstone Press** - Year: **2008** - ISBN: **978-1-4296-1328-6**

Description: Max Axiom is a super-cool-scientist. Using powers he acquired in a freak accident, Max demonstrates and explains the science of earthquakes.

From Lava to Life (Trilogy)

Author: **Jennifer Morgan** - Illustrated by: **Dana Lynne Andersen**

Level: **3-5** - Publisher: **Dawn Publications** - Year: **2003** - ISBN: **1-58469-042-9**

Description: "Once upon a time" meets science in a children's picture book that tells the story of how life began on Earth. The second in a trilogy of Universe stories - the first being Born with a Bang: The Universe Tells Our Cosmic Story-- this book picks up the story with the first appearance of life on Earth.

Mixtures and Solutions

Aluminum

Author: **John Farndon** - Illustrated by: ---

Level: **3-5** - Publisher: **Benchmark Books** - Year: **2000** - ISBN: **0-761-40947-5**

Description: A review of the periodic table, specifically noting where aluminum belongs. Explains how aluminum is purified, how it is used, and why recycling aluminum is important. Includes a glossary and index.

Atoms

Author: **Melissa Stewart** - Illustrated by: ---

Level: **3-5** - Publisher: **Compass Point Books** - Year: **2003** - ISBN: **0-7565-0441-4**

Description: The full-color books in the Simply Science series explains the key concepts of atoms in an easy-to-understand way.

Chemical Chaos

Author: **Nick Arnold** - Illustrated by: **Tony De Saulles**

Level: **4-8** - Publisher: **Scholastic** - Year: **1997** - ISBN: **0-590-10885-9**

Description: A wacky look at chemistry with fact files and experiments.

What Is the World Made of? All about Solids, Liquids, and Gases

Author: **Kathleen Weidner Zoehfeld** - Illustrated by: **Paul Meisel**

Level: **K-2** - Publisher: **HarperCollins** - Year: **1998** - ISBN: **0-613-12263-1**

Description: Introduces young readers to the differences between solids, liquids, and gases.

What's Smaller than a Pygmy Shrew?

Author: **Robert E. Wells** - Illustrated by: ---

Level: **3-4** - Publisher: **Albert Whitman** - Year: **1995** - ISBN: **0-807-58838-5**

Description: The composition of smaller and smaller particles is explored. Includes illustrations of paramecia, bacteria, molecules, atoms, electrons, protons, neutrons, and quarks and explains that in order to view these a special microscope is needed. Includes a small glossary.