Recommended – Science Resource Books

I. Observing Living Things

Notes: Non-fiction history

An American Plague: The True and Terrifying Story of the Yellow Fever Epidemic of 1793

Author: Jim Murphy ISBN: 0-395-77608-2

Reading Level: (7th through 9th)
Curriculum: Living Systems and Classification

Text for **read aloud or independent reading.** This powerful, dramatic account traces the devastating course of the 1793 yellow fever epidemic. The text provides actual historic documents that describe the event.

Cells Are Us

Author: Dr. Fran Balkwill Illustrator: Mic Rolph ISBN: 0-87614-762-7

Reading Level: (5th through 7th)
Curriculum: Living Systems and Classification

Notes: Non-fiction **read aloud** illustrated book provides young readers with a window on the microscopic world of their own bodies.

The Cell Works: Microexplorers

Author: Patrick A. Baeuerle & Norbert Landa ISBN: 0-7641-5052-9

Reading Level: (5th through 7th)
Curriculum: Living Systems and Classification

Notes: Non-fiction **read aloud** illustrated book guides students through the cells and their functions in living systems. This is a good book to use for reviewing key concepts of the unit.

Dr. Jenner and the Speckled Monster: The Search for the Smallpox Vaccine

Author: Albert Marrin ISBN: 0-525-46922-2

Reading Level: (7th through 9th)
Curriculum: Living Systems

Notes: This is a non-fiction **read aloud** book about the development of the smallpox vaccine. The history of the deadly smallpox disease from earliest times to Jenner's incredible breakthrough vaccine will fascinate the reader. This connects well with history and science.

Hidden Worlds: Looking Through a Scientist's Microscope

Author: Stephen Kramer ISBN: 0-618-05546-0

Reading Level: (5th through 9th)
Curriculum: Living Systems & Classification

Notes: Non-fiction **read aloud** picture book. Stunning photos of microscopic images invite the reader to investigate the amazing hidden world that comes to life under a microscope.

New Animal Discoveries

Author: Ronald Orenstein ISBN: 0-7613-2274-4

Reading Level: (5th through 9th)
Curriculum: Living Systems & Classification

Notes: Non-fiction **read aloud** illustrated book. This book highlights new animal discoveries within the last two decades and the scientists who brought them to the attention of the scientific community.

Microscopic Life

Author: Richard Walker ISBN: 0-7534-5778-4

Reading Level: (5th through 7th)
Curriculum: Living Systems and Classification

Notes: Non-fiction **read aloud** illustrated book with wonderful images of the microscopic world. Also, describes the history and development of the microscope with discussions of current research.

The Tarantula Scientist

Author: Sy Montgomery Illustrated: Nick Bishop ISBN: 0-618-14799-3

Reading Level: (5th through 9th)
Curriculum: Living Systems & Classification

Notes: Non-fiction **read aloud** picture book. The author teamed up with a scientist and a photographer to reveal fascinating discoveries about the biggest and hairiest spiders—tarantulas. Stunning close-up photographs capture hours of tarantula observations and answer questions that invoke more questions. An exemplary model of science in action.

II. Exploring Heredity and Diversity

Albino Animals

Author: Kelly Milner Halls ISBN: 1-58196-016-6

Reading Level: (5th through 9th)
Curriculum: Heredity and Diversity

Notes: Non-fiction **read aloud** illustrated book provides stunning photos and illustrations of animals with the genetic mutation albinism. Students with high interest can read the text independently.

The Case of the Monkeys that Fell from the Trees, and Other Mysteries in Tropical Nature

Author: Susan E. Quinlan ISBN: 0-06-029810-3

Reading Level: (7th through 9th)
Curriculum: Heredity and Diversity

Notes: Non-fiction **read aloud** book with some illustrations. The book explores the adaptations that organisms have developed in tropical rainforests. The book connects well with the concept of evolution through natural selection.

Decoding Life, Unraveling the Mysteries of the Genome

Author: Ron Fridell ISBN: 0-8225-1196-7

Reading Level: (7th through 9th)
Curriculum: Heredity and Diversity

Notes: Non-fiction **read aloud** illustrated book that reviews the concepts of inheritance and DNA. The text provides an overview of modern genetics and also explores the controversies associated with genetic engineering and cloning.

Genes & DNA

Author: Richard Walker ISBN: 0-7534-5621-4

Reading Level: (5th through 7th)
Curriculum: Heredity and Diversity

Notes: Non-fiction **read aloud** illustrated book reviews the concepts of inheritance and DNA. This book provides a great visual presentation of DNA and related concepts.

Have a Nice DNA

Author: Fran Balkwill & Mic Rolph ISBN: 0-87969-610-9

Reading Level: (3rd through 5th)
Curriculum: Heredity and Diversity

Notes: Non-fiction **read aloud** illustrated book explains the structure and function of DNA.

How Animals Communicate: Slap, Squeak & Scatter

Author: Steve Jenkins ISBN: 0-618-03376-9

Reading Level: (3rd through 5th)
Curriculum: Heredity and Diversity

Notes: Non-fiction **read aloud** illustrated book. Wonderfully illustrated and written text about the adaptations animals have for surviving in their environment. The text is clearly written for reader understanding. This book connects well with the concept of adaptation and survival addressed in the theory of evolution through natural selection.

Ingenious Genes: Microexplorers

Author: Patrick A. Baeuerle & Norbert Landa ISBN: 0-7641-5063-4

Reading Level: (5th through 7th)
Curriculum: Heredity and Diversity

Notes: Non-fiction **read aloud** illustrated book guides students through the marvels of inheritance and growth. This is a good book to use for reviewing key concepts of the unit.

Mysterious You, Baa!

Author: Cynthia Pratt Nicolson ISBN: 1-55074-856-4

Reading Level: (5th through 7th)
Curriculum: Heredity and Diversity

Notes: Non-fiction **read aloud** illustrated book reviews the concepts of inheritance and DNA. Highlights the structure and function of DNA and summarizes the discoveries leading to our current understanding of DNA and its role in heredity. The most interesting book you'll ever read about genes and cloning.

The Race to Save the Lord God Bird

Author: Phillip Hoose ISBN: 0-374-36173-8

Reading Level: (7th through 10th)
Curriculum: Heredity and Diversity

Notes: Non-fiction historical **read aloud** illustrated text documents the study of a disappearing species, the magnificent and elusive ivory-billed woodpecker. This text, set during the 1940s, describes the collision between attempts to save the bird for extinction by preserving its old-growth forest habitat and the nation's need for timber and wood products.

Scientists in Their Times: Uncovering the Structure of DNA

Author: Glen Phelan ISBN: 0-7922-8899-8

Reading Level: (5th through 7th)
Curriculum: Heredity and Diversity

Notes: Non-fiction **read aloud** illustrated book. This book tells the story of the discovery of the structure of DNA. It identifies the individuals who contributed to the discovery of the DNA molecule and the methods they used to understand the importance of DNA in the stud y of genetics.

What Do You Do With a Tail Like This?

Author: Steve Jenkins ISBN: 0-618-25628-8

Reading Level: (3rd through 5th)
Curriculum: Heredity and Diversity

Notes: Non-fiction **read aloud** illustrated book. Wonderfully illustrated and written text about the adaptations animals have for surviving in their environment. The text is clearly written for reader understanding. This book connects well with the concept of adaptation and survival addressed in the theory of evolution through natural selection.

Woolly Mammoth: Life, Death, and Rediscovery

Author: Windsor Chorlton ISBN: 0-439-24134-0

Reading Level: (5th through 9th)
Curriculum: Heredity and Diversity

Notes: Non-fiction **read aloud** illustrated book highlights the scientific genetic study and technology needed to remove a fully preserved woolly mammoth from the Siberian ice.

III. Understanding Our Environment

America's Wetlands: Guide to Plants and Animals
Author: Marianne D. Wallace ISBN: 1-55591-484-5

Reading Level: (5th through 7th)
Curriculum: Ecosystems
Notes: Non-fiction illustrated resource book for **independent** reading and research provides descriptions to help identify wetland plants and animals.

Animal Adaptations
Author: Peter Winkler ISBN: 0-7922-4577-6

Reading Level: (5th through 7th)
Curriculum: Natural Selection (Adaptation) and Ecology
Notes: Non-fiction **read aloud** illustrated book explores structural and behavioral adaptations and how they help animals to survive in their environment.

Antarctic Journal: Four Months at the Bottom of the World
Author: Jennifer Owings Dewey ISBN: 0-06-028587-7

Reading Level: (5th through 7th)
Curriculum: Ecosystems
Notes: Non-fiction **read aloud** illustrated book describes a scientific exploration of the organisms living within the Antarctic region. This book addresses the relationships of organisms within a food web and the effects extreme climatic conditions have on survival.

Arctic Lights, Artic Nights
Author: Debbie S. Miller Illustrated: Jon Van Zyle ISBN: 0-8027-8856-4

Reading Level: (5th through 8th)
Curriculum: Natural Selection (Adaptation) and Ecology
Notes: Non-fiction **read aloud** illustrated book. Wonderfully illustrated and written text in poetic verse about the concepts of natural selection (adaptation) and ecology of the living systems in the Arctic Circle.

The Boy Who Drew Birds
Author: Jacqueline Davies ISBN: 0-618-24343-7

Reading Level: (5th through 7th)
Curriculum: Ecosystems & Environmental Resources
Notes: Non-fictional biography picture book about John James Audubon for **independent reading**. This book connects across history, English, and science curriculums. Well written text includes illustrations and photographs of Audubon's work as a young naturalist.

Brother Eagle, Sister Sky

Author: Chief Seattle and Paintings by Susan Jeffers ISBN: 0-8037-0969-2

Reading Level: (5th through 7th)
Curriculum: Ecosystems

Notes: Non-fiction poetic style **read aloud** picture book describes the relationships that exist in nature. This book is a good resource to use for understanding the concept of natural renewable resources.

The Chimpanzees I Love: Saving Their World and Ours

Author: Jane Goodall ISBN: 0-439-21310-X

Reading Level: (5th through 9th)
Curriculum: Living Systems & Classification

Notes: Non-fiction **read aloud** picture book. Jane Goodall has written a compelling book that describes the fascinating world of chimpanzees. Through her vast experiences and research, she has been able to describe her discoveries and compare the many similarities between chimpanzees and humans.

Classification Clues

Author: Catherine Stephens ISBN: 0-7922-4576-8

Reading Level: (5th through 7th)
Curriculum: Natural Renewable Resource Management

Notes: Non-fiction **read aloud** illustrated book explains the seven levels of the scientific classification system and how scientists use the system to identify new plants and animals.

Common Ground, the Water, Earth, and Air We Share

Author: Molly Bang ISBN: 0-590-10056-4

Reading Level: (3rd through 5th)
Curriculum: Natural Renewable Resource Management

Notes: Non-fiction poetic style **read aloud** picture book describes how we share the natural resources of the Earth. The book also explores how the unwise use of our resources impact the sustainability of those resources. This book is a good resource to use for understanding the concept of natural renewable resources.

Ecosystems

Author: Nancy Finton ISBN: 0-7922-4578-4

Reading Level: (5th through 7th)
Curriculum: Ecosystems & Environmental Resources

Notes: Non-fiction **read aloud** illustrated book explains the basic needs of living things and how adaptations help plants and animals survive in the grassland ecosystem using the prairies of the United States as examples.

Endangered Planet

Author: David Burnie ISBN: 0-7534-5776-8

Reading Level: (7th through 9th)
Curriculum: Understanding Our Environment

Notes: Non-fiction **read aloud** illustrated book explores the web of natural cycles that support Earth's species. Reveals how human demand for food, fuel, and living space threaten to damage habitats beyond repair. This book provides solutions to ecological problems by promoting the use of renewable resources such as sun, wind, and water.

The Forest in the Clouds

Author: Sneed B. Collard III ISBN: 0-88106-985-X

Reading Level: (6th through 8th)
Curriculum: Ecosystems & Environmental Resources

Notes: Non-fiction **read aloud** picture book. This volume presents a vivid picture of Earth as a system using the cloud-shrouded areas of the mountainous tropical rainforest of Costa Rica.

How Monkeys Make Chocolate: Foods and Medicines from the Rainforest

Author: Adrian Forsyth ISBN: 0-895688-32-9

Reading Level: (5th through 7th)
Curriculum: Ecosystems and Environmental Resources

Notes: Non-fiction **read aloud** book with some illustrations. The book explores the adaptations that organisms have developed in tropical rainforests and human use of natural resources.

My Light

Author: Molly Bang ISBN: 0-439-48961-X

Reading Level: (5th through 7th)
Curriculum: Natural Renewable Resource Management

Notes: Non-fiction poetic style **read aloud** picture book describes how the sun is the ultimate source of all natural resources. This book is a good resource to use for understanding the concept of natural renewable resources.

National Geographic Reading Expeditions: Life Science Series (Teacher Resource Guide)

Author: National Geographic School Publishing ISBN: 0-7922-8593-X

Reading Level: (5th through 8th)
Curriculum: Ecosystems and Environmental Resources

Notes: Non-fiction **read aloud** illustrated books. The National Geographic Reading Expedition series includes the following topics: Looking at Cells, You and Your Genes, Plant Power, Amazing Animals, Endangered Species, Feeding the World, Using Energy, Global Warming and Protecting the Planet.

Nature in the Neighborhood

Author: Gordon Morrison ISBN: 0-618-35215-5

Reading Level: (3rd through 5th)
Curriculum: Ecosystems

Notes: Non-fiction **read aloud** picture book describes interactions of thriving plants and animals in an urban ecosystem. The book provides clearly written text with illustrations and captions about the types of natural systems that exist in a city.

Once a Wolf: How Wildlife Biologists Fought to Bring Back the Gray Wolf

Author: Stephen R. Swinburne ISBN: 0-395-89827-7

Reading Level: (5th through 9th)
Curriculum: Ecosystems & Environmental Resources

Notes: Non-fiction **read aloud** illustrated book discusses the historic and scientific significance of the gray wolf in an ecosystem. Discusses the pros and cons of reintroducing the gray wolf to Yellowstone National Park.

Pass the Energy Please!

Author: Barbara Shaw McKinney ISBN: 1-58469-002-X

Reading Level: (4th through 7th)
Curriculum: Ecosystems

Notes: Non-fiction **read aloud** illustrated book. Provides a simple presentation of the concept of food chains and food webs.

Plantzilla

Author: Jerdine Nolen ISBN: 0-15-202412-3

Reading Level: (3rd through 5th)
Curriculum: Living systems

Notes: Fictional picture book that is good for using as a **read aloud** activity. The text is written in the form of letters between a child and his teacher and captures the attention of the reader through humor. This book reviews the resource needs of plants; very funny.

Pond

Author: Gordon Morrison ISBN: 0-618-10271-X

Reading Level: (5th through 7th)
Curriculum: Ecosystems

Notes: Non-fiction **read aloud** illustrated book describes the interaction of thriving plants and animals in a pond ecosystem.

Saguaro Moon, A Desert Journal

Author: Kristin Joy Pratt-Serafini ISBN: 1-58469-037-2

Reading Level: (5th through 7th)
Curriculum: Ecosystems

Notes: Non-fiction journal style **read aloud** picture book describes a desert ecosystem.

Salamander Rain, A Lake & Pond Journal

Author: Kristin Joy Pratt-Serafini ISBN: 1-58469-018-6

Reading Level: (5th through 7th)
Curriculum: Ecosystems

Notes: Non-fiction journal style **read aloud** illustrated book describes lake and pond biomes. This book is a good resource to use with the aquarium lab activities.

Saving Birds: Heroes around the World

Authors: P. Salmansohn and S. Kress ISBN: 0-88448-237-5

Reading Level: (5th through 9th)
Curriculum: Living Systems & Classification

Notes: Non-fiction **read aloud** illustrated book focuses on the protection of extremely rare bird species and the scientists who have protected them.

There's A Hair in my Dirt! (A Worm's Story)

Author: Gary Larsen & Edward Osbourne Wilson ISBN: 1-55074-856-4

Reading Level: (6th through Whatever)
Curriculum: Living systems

Notes: Fictional picture book that is good for using as a **read aloud** activity. This book reviews the resource needs of worms and their benefits to soil fertility and other living systems.

What is a Biome?

Author: Bobbie Kalman ISBN: 0-86505-887-3

Reading Level: (5th through 7th)
Curriculum: Ecosystems

Notes: This book introduces biomes, showing and describing the main kinds and discussing their location, climate, and plant and animal life.

Who Eats What?

Author: Patricia Lauber Illustrator: Holly Keller ISBN: 0-06-445130-5

Reading Level: (3rd through 5th)
Curriculum: Ecosystems

Notes: Non-fiction **read aloud** illustrated book explores food chains and webs and the interdependence of organisms in a web.

The Woods Scientist

Author: Stephen R. Swinburne ISBN: 0-618-04602-X

Reading Level: (5th through 9th)
Curriculum: Ecosystems & Environmental Resources

Notes: Non-fiction **read aloud** illustrated book. This book is part of the scientist in the field series that highlights the duties of a wildlife biologist.

IV. General Science Reading

Science Verse

Authors: Jon Scieszka & Lane Smith ISBN: 0-670-91057-0

Reading Level: (5th through 8th)
Curriculum: All of Life/Physical Science

Notes: Wonderfully illustrated and written text in poetic verse for use as a **read aloud** about scientific concepts.

Dr. Art's Guide to Planet Earth: For Earthlings Ages 12 to 120

Author: Art Sussman, PhD ISBN: 1-890132-73-X

Reading Level: (7th through 9th)
Curriculum: Energy Transfer

Notes: Dr. Art's systems-based Earth guide introduces easy-to-understand principles that explain how our planet works, such as energy flows and cycles of matter. Use as a **teacher resource** illustrated book.

One-Minute Readings: Issues in Science, Technology, and Society

Author: Richard F. Brinkerhoff ISBN: 0-201-23157-3

Reading Level: (7th through 9th)
Curriculum: Earth, Solar System and Everything

Notes: Use as a **read aloud** to introduce scientific issues for whole and small group discussion.

Recommended – 8th Grade Science Resource Books

I. Investigating Matter and Its Changes

Acids and Bases

Author: Rebecca L. Johnson ISBN: 0-7922-4582-2

Reading Level: (5th through 8th)
Curriculum: Properties of Matter

Notes: Non-fiction **read aloud** illustrated book explores the classification of substances into acid and bases. Identifies common acids and bases, their properties, effects, and methods of detecting them.

Neils Bohr: Physicist and Humanitarian

Author: Naomi Pasachoff ISBN: 0-7660-1997-7

Reading Level: (5th through 8th)
Curriculum: Properties of Matter

Notes: Non-fiction book for **independent reading** or research. A biography of the Danish physicist who won a Nobel Prize for his discoveries about the nature of the atom, saved thousands of Jews from the Nazis, and, after helping to develop the atomic bomb, campaigned for peaceful uses of atomic energy.

Chemical Changes

Author: Rebecca L. Johnson ISBN: 0-7922-4583-0

Reading Level: (5th through 8th)
Curriculum: Properties of Matter

Notes: Non-fiction **read aloud** illustrated book explores physical and chemical changes and examines chemical reactions in depth as it describes the importance of chemical reactions in daily life.

Chemistry

Author: Dr. Ann Newmark ISBN: 0-7894-4881-5

Reading Level: (5th through 8th)
Curriculum: Properties of Matter

Notes: Non-fiction **read aloud** illustrated book in the Eyewitness Book series explores the world of chemical reactions and shows the role that chemistry plays in our world.

Marie Curie: A Brilliant Life

Author: Elizabeth MacLeod ISBN: 1-55337-570-X

Reading Level: (8th through 10th)
Curriculum: Properties of Matter

Notes: Non-fiction **read aloud** illustrated book. Quotations, photographs, reproductions of papers, and captions are used throughout this captivating biography to reveal the story of this pioneering scientist who was the first women to win a Nobel Prize.

Albert Einstein: A Life of Genius

Author: Elizabeth MacLeod ISBN: 1-55337-396-0

Reading Level: (5th through 8th)
Curriculum: Properties of Matter

Notes: Non-fiction **read aloud** illustrated book. The book provides a clear and concise history of Albert Einstein's life and scientific discoveries.

Horrible Science: Chemical Chaos

Author: Nick Arnold ISBN: 0-590-10885-9

Reading Level: (5th through 9th)
Curriculum: Properties of Matter

Notes: Non-fiction **read aloud** illustrated book. This book presents a history of scientific development while teaching basic chemistry. Information is presented in a cartoon-style format which appeals to young adolescent readers.

Matter

Author: Christopher Cooper ISBN: 0-7894-5580-3

Reading Level: (5th through 8th)
Curriculum: Properties of Matter

Notes: Non-fiction **read aloud** illustrated book in the Eyewitness Book series explores the amazing world of matter from the earliest ideas of the four elements to the latest discoveries about the atom.

Matter, Matter Everywhere
Author: Stephen M. Tomecek ISBN: 0-7922-8880-7

Reading Level: (5th through 8th)
Curriculum: Properties of Matter
Notes: Non-fiction **read aloud** illustrated book gives an overview of matter and discusses the states, properties, measurement, and organization of matter as well as the scientists who have contributed to the field of chemistry

Odd Boy Out, Young Albert Einstein
Author: Don Brown ISBN: 0-618-49298-4

Reading Level: (3rd through 8th)
Curriculum: Properties of Matter
Notes: Non-fiction **read aloud** illustrated book provides a clear and concise early history of Albert Einstein's life and scientific discoveries.

The Periodic Table
Author: Salvatore Tocci ISBN: 0-516-27852-5

Reading Level: (3rd through 8th)
Curriculum: Properties of Matter
Notes: Non-fiction **read aloud** illustrated book discusses the development and organization of the periodic table of the elements.

Ernest Rutherford: Father of Nuclear Science
Author: Naomi Pasachoff ISBN: 0-7660-2441-5

Reading Level: (5th through 9th)
Curriculum: Properties of Matter
Notes: Non-fiction book for **independent** reading or research discusses the life and scientific contributions of New Zealand scientist, Ernest Rutherford, who is best known for establishing the nuclear model of the atom.

II. Heat and Temperature

Note to Teachers: See Energy and Its Transformations

III. Energy and Its Transformations

Electricity
Author: Steve Parker ISBN: 0-7894-5577-3

Reading Level: (5th through 9th)
Curriculum: Energy
Notes: Non-fiction **read aloud** illustrated book in the Eyewitness Book series discusses the properties of electricity and describes how electricity is made and used.

Energy

Author: Jack Challoner ISBN: 0-7894-5576-5

Reading Level: (5th through 8th)
Curriculum: Energy

Notes: Non-fiction **read aloud** illustrated book in the Eyewitness Book series surveys various sources of energy and explores the ways in which energy has been harnessed for use in daily life.

Energy: Makes Things Happen

Author: Kimberly Brubaker Bradley ISBN: 0-06-445213-1

Reading Level: (3rd through 8th)
Curriculum: Energy Transfer

Notes: Non-fiction **read aloud** illustrated book uses simple language and humorous illustrations to show how energy comes originally from the sun and can be transferred from one thing to another.

The Head Bone's connected to the Neck Bone: The Weird, Wacky, and Wonderful X-Ray

Author: Carla Killough McClafferty ISBN: 0-374-32908-7

Reading Level: (6th through 10th)
Curriculum: Light

Notes: Non-fiction **read aloud** illustrated book. Beginning with Roentgen's radiation experiments and concluding with high-tech potential for the future, this volume chronicles the history of X-rays.

Horrible Science: Frightening Light and Sounds Dreadful

Author: Nick Arnold ISBN: 043999232X

Reading Level: (5th through 9th)
Curriculum: Light and Sound Waves

Notes: Non-fiction **read aloud** illustrated book. This book presents a history of scientific development while teaching the basic concepts of light and sound waves. Information is presented in a cartoon-style format which appeals to adolescent readers.

Horrible Science: Killer Energy

Author: Nick Arnold ISBN: 0439981717

Reading Level: (5th through 9th)
Curriculum: Energy transfer

Notes: Non-fiction **read aloud** illustrated book. This book presents a history of scientific development while teaching the basics of energy transferability. Information is presented in a cartoon-style format which appeals to adolescent readers.

Introduction to Energy

Author: Glen Phelan ISBN: 0-7922-4580-6

Reading Level: (5th through 9th)
Curriculum: Energy transfer
Notes: Non-fiction **read aloud** illustrated book describes the relationship between energy and work and the different forms of energy.

Light

Author: David Burnie ISBN: 0-7894-4885-8

Reading Level: (5th through 9th)
Curriculum: Light
Notes: Non-fiction **read aloud** illustrated book in the Eyewitness Book series explains the origins, principles, and historical study of light.

The Magic of Light and Sound

Author: Rebecca L. Johnson ISBN: 0-7922-8886-6

Reading Level: (5th through 8th)
Curriculum: Light and Sound
Notes: Non-fiction illustrated book for **read aloud** explores light and sound including how they travel, how they are detected, and how they are used in scientific investigations and daily life.

Understanding Electricity

Author: Stephen M. Tomecek ISBN: 0-7922-8882-3

Reading Level: (5th through 8th)
Curriculum: Energy
Notes: Non-fiction illustrated book for **read aloud** explores electricity including how it is transferred between objects, its impact on daily life, and the scientists who contributed to our understanding of it.

Waves: The Electromagnetic Universe

Author: Gloria Skurzynski ISBN: 0-7922-3520-7

Reading Level: (6th through 10th)
Curriculum: Light
Notes: Non-fiction **read aloud** illustrated book. The book is simple enough for children to understand the link between pure and applied science, yet advanced enough for children to ponder questions that researchers continue to study today.

IV. Forces and Motion

Defining the Laws of Motion
Author: Glen Phelan ISBN: 0-7922-8898-X

Reading Level: (5th through 8th)
Curriculum: Forces and Motion
Notes: Non-fiction **read aloud** illustrated book examines the scientists who have made contributions to our understanding of motion.

Force & Motion
Author: Peter Lafferty ISBN: 0-7894-4882-3

Reading Level: (5th through 9th)
Curriculum: Forces and Motion
Notes: Non-fiction **read aloud** illustrated book in the Eyewitness Book series explores the principles of force and motion, describing how they have been applied from ancient to modern times.

Horrible Science: Fatal Forces
Author: Nick Arnold ISBN: 0-439-04363-8

Reading Level: (5th through 9th)
Curriculum: Forces and Motion
Notes: Non-fiction **read aloud** illustrated book. This book presents a history of scientific development while teaching the basics of motion and forces. Information is presented in a cartoon-style format which appeals to adolescent readers.

Machines Make It Move
Author: Stephen M. Tomecek ISBN: 0-7922-8884-X

Reading Level: (5th through 8th)
Curriculum: Forces and Motion
Notes: Non-fiction **read aloud** illustrated book discusses how people throughout history have used machines to help make work easier.

Isaac Newton: The Greatest Scientist of all Time
Author: Margaret J. Anderson ISBN: 0-89490-681-X

Reading Level: (6th through 10th)
Curriculum: Forces and Motion
Notes: Non-fiction **read aloud** biographical illustrated book. The life, work, and goals of the brilliant scientist Isaac Newton are described in this very readable book.

Newton's Laws
Author: Glen Phelan ISBN: 0-7922-4584-9

Reading Level: (5th through 8th)
Curriculum: Forces and Motion
Notes: Non-fiction **read aloud** illustrated book explains and gives examples of Newton's three laws that explain the movements of everyday objects.

Using Force and Motion

Author: Glen Phelan ISBN: 0-7922-8888-2

Reading Level: (5th through 8th)
Curriculum: Forces and Motion

Notes: Non-fiction **read aloud** illustrated book explains the effect of forces on the position of an object and highlights the work of scientists who contributed to our understanding of forces and motion.

V. General Science Reading

Dr. Art's Guide to Planet Earth: For Earthlings Ages 12 to 120

Author: Art Sussman, PhD ISBN: 1-890132-73-X

Reading Level: (7th through 9th)
Curriculum: Energy Transfer

Notes: Notes: Dr. Art's systems-based Earth guide introduces easy-to-understand principles that explain how our planet works, such as energy flows and cycles of matter. Use as a **teacher resource** illustrated book.

Fantastic Feats and Failures

Authors: The Editors of **Yes Magazine** ISBN: 1-55337-633-1

Reading Level: (5th through 8th)
Curriculum: All of Physical Science

Notes: This fascinating book examines accomplishments and failures in engineering history. Excellent photos and discussions will introduce the reader to engineering feats like the Eiffel Tower and the Panama Canal as well as infamous failures like Chernobyl and Apollo 13.

Nibbling on Einstein's Brain: The Good, the Bad and the Bogus in Science

Author: Margaret J. Anderson ISBN: 1550376861

Reading Level: (4th through 8th)
Curriculum: All of Physical Science

Notes: Non-fiction illustrated book for **read aloud** and as a teacher resource. This is a fascinating book that discusses current views of major topics in physics and chemistry.

One-Minute Readings: Issues in Science, Technology, and Society

Author: Richard F. Brinkerhoff ISBN: 0-201-23157-3

Reading Level: (7th through 9th)
Curriculum: Earth, Solar System and Everything

Notes: Use as a **read aloud** to introduce scientific issues for whole and small group discussion.

Science

Authors: Jon Balchin ISBN: 1-59270-017-9

Reading Level: (5th through 10th)
Curriculum: All of Physical Science

Notes: Non-fiction book for **independent** reading or research tells about the lives and achievements of 100 men and women who made major scientific contributions from the time of the Ancient Greeks to the present.

Science Verse

Authors: Jon Scieszka & Lane Smith ISBN: 0-670-91057-0

Reading Level: (5th through 8th)
Curriculum: All of Physical Science

Notes: Wonderfully illustrated and written text in poetic verse for use as a **read aloud** about scientific concepts.

Time and Space

Authors: Mary and John Gribbin ISBN: 0-7894-5578-1

Reading Level: (5th through 10th)
Curriculum: All of Physical Science

Notes: Non-fiction **read aloud** illustrated book in the Eyewitness Book series explores some of the mysteries of the Universe, including the relationship between time and space and how they are measured, black holes, and much more.