



Science Books

Books found in the IMC Professional Collection are abbreviated IMC PC then the call number. For help finding any of these books, please visit the Reference Desk on the first floor.

The Scientific Method

- Baker, Christopher W. **Scientific Visualization: The New eyes of Science.** (CBC 507.2 B1716s 2000)
Describes the nature of scientific visualization and its use by scientists and doctors to interpret data and observe phenomena which were thought unobservable.
- Burnett, Robin. **The Pillbug Project: A Guide to Investigation.** (IMC PC QL444.M34 b87 1992)
- Forte, Imogene. **Science Fun: Discovering the World Around You.** (IMC PC Q163 .F68 1985)
Simple experiments show how to investigate scientific principles using the real scientific method.
- Kneidel, Sally Stenhouse. **Creepy Crawlies and the Scientific Method: Over 100 Hands-on Science Experiments For Children.** (IMC PC QL52.6 .K58 1993)
Includes worksheets for teacher copying, materials lists and clear instructions for a variety of experiments, most involving insects.
- Kramer, Stephen P. **How To Think Like A Scientist: Answering Questions By the Scientific Method.** (CBC 502.8 k86086h 1987)
Uses questions about hypothetical situations to introduce the process of thinking according to scientific method.
- Swanson, Diane. **Turn it Loose: The Scientist in Absolutely Everybody.** (CBC 500 Sw245t 2004)
Every person is a combination of unique interests, knowledge, talents and skills. And inside every one of us is a scientist.

Experiments

- Brandolini, Anita J. **Fizz, Bubble & Flash: Element Explorations and Atom Adventures for Hands-on Science Fun!** (CBC 546 B7343f 2003) Gives instructions for a variety of experiments that examine the characteristics of some of the common elements around us.
- Broekel, Ray. **Experiments With Straws and Paper.** (CBC 500 b7855e 1990)
Illustrates some basic principles of science, based on experiments and tricks using straws, paper, drinking glasses, and coins.
- Carson, Mary Stetten. **The Scientific Kid.** (IMC PC Q164 .C37 1989)
Illustrations and text give step-by-step instructions for thirty- five easy science projects including growing crystals, making invisible ink, and dipping candles.
- Cash, Terry. **175 More Science Experiments to Amuse and Amaze Your Friends: Experiments! Tricks! Things To Make!** (IMC PC Q164 .C38 1991)
Experiments using common household items illustrate the principles of sound, electricity and magnets, weather, and simple chemistry.



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- Cobb, Vicki. **Don't Try This At Home: Science Fun For Kids on the Go.** (CBC 507.8 C6348d 1998)
Provides instructions for a variety of science activities outside, arranged by such categories as school, parks, and vehicles.
- D'Amico, Joan. **The Science Chef: 100 Fun Food Experiments and Recipes For Kids.** (IMC PC TX355 .D3 1995)
- Gardner, Robert. **Robert Gardner's Favorite Science Experiments.** (CBC 507.8 G1764r 1992)
Science experiments, mostly using materials found in the home, demonstrating principles of chemistry, mechanics, biology, light, astronomy, heat, and electricity.
- Gomez, Stephen. **Eureka: Science Demonstrations For ESL Classes.** (IMC PC Q181 .E93 1995)
- Herbert, Don. **Mr. Wizard's Supermarket Science.** (CBC 507.8 H414m)
Gives directions for about 100 simple experiments using items available in the supermarket. Includes explanations of the scientific principles demonstrated.
- Hoffman, Jane. **Backyard Scientist.** (IMC PC Q164 .H63 1992)
A series of hands-on science experiments and projects to thrill, delight and educate.
- Levine, Shar. **Bathtub Science.** (CBC 532 L5788b 2002)
Shows how to turn your bathtub into a laboratory and perform all sorts of experiments with water, such as showing how a submarine works, finding out when water moves upward by itself, and learning how to time your bath without a watch.
- Mandell, Muriel. **Simple Science Experiments With Everyday Materials.** (IMC PC Q164 .M26 1989)
Includes instructions for ninety-nine simple experiments that demonstrate basic scientific principles.
- Potter, Jean. **Science in Seconds For Kids: Over 100 Experiments You Can Do in Ten Minutes or Less.** (IMC PC Q164 .P78 1995)
- Robinson, Richard. **Science Magic in the Kitchen: Amazing Tricks with Ordinary Stuff.** (CBC 507.8 R5663s 2001)
Mix together these experiments and more to create the perfect recipe for cooking up kitchen magic...command a volcano to erupt right in your kitchen; change salt into sugar and milk into...plastic!
- Ross, Michael Elsohn. **Junk Lab.** (CBC 507.8 R7337j 2003)
Explains how to do experiments which explore various scientific principles, using all kinds of items easily found around the house.
- Schneider, Herman. **Science Fun For You in a Minute or Two: Quick Science Experiments You Can Do.** (CBC 502.8 Sch578s)
Activities illustrating a scientific principle, phenomenon, or device include scaring yourself in a mirror and measuring the wind.
- Smithsonian Institution. **Fun Machines: Step By Step Science Activity Projects From the Smithsonian Institution.** (CBC 608.78 F9627 1993)
Provides instructions for making such devices as a tin-can telegraph, crystal radio, and kaleidoscope, and suggests a variety of related experiments and other activities.
- Smithsonian Institution. **Games, Puzzles, and Toys: Step By Step Science Activity Projects From the Smithsonian Institution.** (CBC 507.8 G1453 1993)



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Smithsonian Institution. **Mystery and Magic: Step By Step Science Activity Projects From the Smithsonian Institution.** (CBC 507.8 M9995 1993)

Presents a variety of activities, experiments, and simple tricks that explore principles of electricity, physics, biology, and more.

Terrill, Veronica. **Big Activities For Little Hands: Science.** (IMC PC LB1140.5 .S35 T44 1994)

VanCleave, Janice Pratt. **Janice VanCleave's 201 Awesome, Magical, Bizarre & Incredible Experiments.** (IMC PC Q164 .V367 1994)

Vivian, Charles. **Science Experiments and Amusements For Children.** (IMC PC Q163 .V68 1967)

Wellnitz, William R. **Science Magic For Kids: 68 Simple & Safe Experiments.** (IMC PC Q164 .W435 1990)
Over sixty science experiments test the properties of colors, food, air, soap bubbles, heat, light, plants, and magnets.

Whitley, Peggy. **99 Jumpstarts for Kids' Science Research.** (IMC PC Q182.3 .W52 2006)

Science Fair Projects

Bochinski, Julianne Blair. **More Award-Winning Science Fair Projects.** (IMC PC Q164 .B63 2004)

Presents forty award-winning science fair projects, a section on how to do a science fair project, updates to science fair rules and science supply resources, as well as new material on useful web sites.

Smith, Norman F. **How To Do Successful Science Projects.** (IMC PC Q163 .S57 1990)

Describes how to select a science project, plan the investigation, choose equipment and test procedures, record data, draw conclusions, and report the results.

Tocci, Salvatore. **Scientific American: More Simple Science Fair Projects, Grades 3-5.** (IMC PC Q182.3 .T635 2006)

Tocci, Salvatore. **Science Fair Success Using Household Products.** (CBC 507.8 T5615s 2002)

Atoms and Molecules

Asimov, Isaac. **How Did We Find Out About Atoms?** (CBC 539.7 As428h)

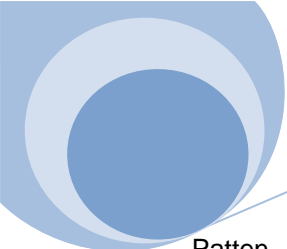
Discusses the concept of atoms and evidence of their existence accumulated since the time of the Greeks.

Freeman, Mae Blacker. **The Story of the Atom.** (CBC 539.7 F8777s 1960)

Traces the history of the atom from ancient Greek times to the present day and presents an outline picture of late 20th-century concepts of the atom.

Mebane, Robert C. **Adventures With Atoms and Molecules: Chemistry Experiments For Young People.** (IMC PC QD38 .M43 1985)

Chemistry experiments for home or school demonstrate the properties and behavior of various kinds of atoms and molecules.



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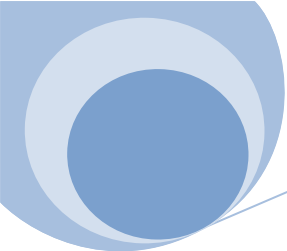
- Patten, J.M. **The Atoms' Family.** (CBC 539.1 P2774a 1995)
Discover the tiniest building blocks of nature and how they fit together to make almost everything-animals, plants, objects and even people!
- Slade, Suzanne. **Atoms and Chemical Reactions.** (CBC 539.7 S1124a 2007)
Examines chemical reactions, chemical equations, atoms and molecules.
- Slade, Suzanne. **Looking At Atoms and Molecules.** (CBC 502.82 S11241 2007)
Examines atoms and molecules.
- Slade, Suzanne. **The Structure of Atoms.** (CBC 539.14 S1124s 2007)
Learn what atoms are.
- Wells, Robert E. **What is Smaller Than A Pygmy Shrew?** (CBC 539.1 W4628w 1995)
A pygmy shrew looks small beside an elephant, but not when it's next to a ladybug. In turn, the ladybug looks enormous compared to a paramecium. Showing that even a single cell is not the smallest thing, Wells introduces molecules, atoms, electrons, and quarks.

Microscopes

- Amery, Heather. **The Home.** (CBC 502 Am354 1994)
Giant magnified images as seen through a microscope. Includes Fibers, food, paper, insects, molds, yeast, matches, and more.
- Cobb, Vicki. **Dirt and Grime, Like You've Never Seen.** (CBC 502.825 C3648d 1998)
Using scanning electron microscopy, studies household dirt, dust, and germs, and the substances that are used to get rid of them.
- Richardson, Adele. **Microscopes.** (CBC 681.41 R3932m 2004)
Introduces the function, parts, and uses of microscopes, and provides instructions for two activities that demonstrate how a microscope works.

Magnets and Electricity

- Ardley, Neil. **The Science Book of Magnets.** (CBC 538.2 Ar288s 1991)
Simple experiments demonstrate basic principles of magnetism.
- Challand, Helen J. **Experiments With Magnets.** (CBC 538.2 C3516e 1986)
Suggests experiments introducing magnets and magnetism, demonstrating the magnetic field and the properties, strength, and uses of magnets.
- DeBruin, Jerry. **Young Scientists Explore Electricity & Magnetism.** (IMC PC LB1585 .D384 1985)
- Feravolo, Rocco V. **Junior Science Book of Magnets.** (CBC 538 F372jm)
- Flaherty, Michael. **Magnetism & Magnets.** (CBC 538 F5977m 1999)
Uses experiments to investigate the force of magnetism, the different sizes of shapes of magnets, and their varied uses.
- Forman-Hitt, Kathy. **Magnets and Electricity.** (IMC PC QC757 .F67 1987)
For Grades 3-4.



Science Books

Fowler, Allan. **What Magnets Can Do.** (CBC 538 F8296w 1995)
Grades 1-2.

Garcia, Adela. **Magnets.** (IMC PC QC757 .G37 1987)

Jennings, Terry J. **Electricity and Magnetism.** (CBC 537 J4483e 1989)

An introduction to magnetism, magnets, compasses, batteries, and electricity. Includes study questions, activities, and experiments.

Mahaney, Ian F. **Electricity.** (CBC 537 M2777e 2007)

Nankivell-Aston, Sally. **Science Experiments With Electricity.** (CBC 537.078 N1555s 2000)

Explores the properties of electricity through experiments designed to be informative and fun, using readily available equipment.

Royston, Angela. **Using Electricity.** (CBC 537 R8165u 2002)

Sacks, Raymond. **Magnets.** (CBC 538 Sa14m)

Simple experiments explain the principles of magnetism, the magnetic field, and uses of magnets.

Ward, Alan. **Experimenting With Magnetism.** (IMC PC QC753.8 .W37 1991)

Experiments and games introduce the subject of magnetism.

Oceans and Seas

Bramwell, Martyn. **The Oceans.** (CBC 551.46 B7327o 1994)

Cole, Joanna. **The Magic School Bus on the Ocean Floor.** (CBC 591.92 C6752m 1992)

On another special field trip on the magic school bus, Ms. Frizzle's class learns about the ocean and the different creatures that live there.

Cook, Jan Leslie. **The Mysterious Undersea World.** (CBC 551.4 C7722m)

Introduces the ocean and its movements, marine animals and plants, sunken treasure, submersibles, aquariums, and oceanariums.

Ganeri, Anita. **The Ocean Atlas.** (CBC 551.46 G1504o 1994)

Gibbons, Gail. **Exploring the Deep, Dark Sea.** (CBC 551.46 G3527e 1999)

Explores the vastly unexplored world beneath the ocean's surface.

Goldstein, Natalie. **How Do We Know the Nature of the Ocean?** (CBC 551.46 G5786h 2005)

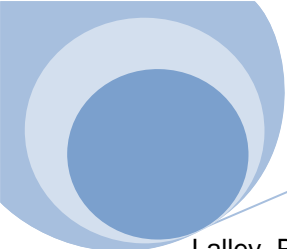
Examines mankind's discoveries of the nature of the Earth's seas, how they were formed, and their role in regulating climate and weather.

Hirschi, Ron. **Save Our Oceans and Our Coasts.** (CBC 574.5263 H6166s 1993)

Discusses the characteristics, animal life, and importance of oceans and coastal areas and ways to protect these habitats.

Kosek, Jane Kelly. **What's Inside the Ocean?** (CBC 574.5263 K8464wo 1999)

Discusses some of the life forms that live in the ocean, such as coral polyps, phytoplankton, and the great blue whale, and explains how they survive.



Science Books

- Lalley, Pat. **Ocean Scientists.** (CBC 574.52 L1556o 2002)
Describes the nature of oceans, the life that they support, and the scientists who study and protect them.
- Lambert, David. **The Kingfisher Young People's Book of the Oceans.** (CBC 551.46 L1726k 1997)
Presents information about the world's oceans, how they were formed, their geology, tides, waves, sea life, coasts, resources provided by oceans, myths and legends about the ocean, and more.
- Lambert, David. **Seas and Oceans.** (CBC 551.46 L1726s 1988)
Examines the world's oceans, their physical features, movements, plant and animal life, and relationship with humanity.
- Littlefield, Cindy A. **Awesome Ocean Science!: Investigating the Secrets of the Underwater World.** (CBC 551.46 L7303a 2003)
Explores the wonders of the ocean, its floor, and the plants and animals that dwell in it, teaches how to protect these resources, and provides hands-on activities for further investigation.
- Markle, Sandra. **Down, Down, Down in the Ocean.** (CBC 577.7 M3418d 1999)
Describes a number of creatures that comprise a Pacific Ocean ecosystem, as found off the coast of California at three different depths--0 to 200 meters, 200 to 1000 meters, and the seafloor.
- Marx, Christy. **Life in the Ocean Depths.** (CBC 577.77 M36941 2004)
- Nadeau, Isaac. **Water in Oceans.** (CBC 551.46 N1232w 2003)
- O'Mara, Anna. **Oceans.** (CBC 551.46 Om12o 1996)
Provides basic scientific information about oceans including their size, floors, mountains and mid-ocean ridges, trenches, volcanoes, currents, tides, and waves.
- Parker, Jane. **Seas & Oceans.** (CBC 551.46 P2262s 1998)
An overview of the rich and varied environments of the earth's seas and oceans, as exemplified by five of the most famous of them.
- Ricciuti, Edward R. **Ocean.** (CBC 551.46 R3596o 1996)
- Stille, Darlene R. **Oceans.** (CBC 551.46 St545o 1999)
An introduction to the ocean describing its physical characteristics, the plants and animals that live in or near it, and its importance to life on Earth.
- Tanner, Joey. **Marine Biology: Self Directed Study Units for Grades K-3 and 4-8 Gifted, Easily Adapted For Regular Classroom Use.** (IMC PC QH91.16.T36 1992)
- Woodward, John. **Oceans.** (CBC 577.77 W8742o 2003)
Looks at how oceans formed, how currents and tides work, and the different types of ocean environments. Also discusses the impact of humans on oceans and what we can do to reduce the effects of climate change and to prevent overfishing and pollution.
- Wu, Norbert. **Fish Faces.** (CBC 597 W9502f 1993)
The author-photographer, a marine biologist, uses his own photographs to introduce readers to some of the more amusing characteristics of the creatures he's encountered on his dives.
- Wu, Norbert. **Life in the Oceans.** (CBC 574.92 W95021 1991)
An introduction to the many living things, from microscopic plants to huge sharks that live in the ocean and discuss the importance of oceans to life on earth.

Energy and Motion

- Ardley, Neil. **The Science Book of Energy.** (CBC 531.6 Ar288s 1992)
Gives instructions for a variety of simple experiments that explore and explain different forms of energy.
- Burnett, Betty. **The Laws of Motion: Understanding Uniform and Accelerated Motion.**
(CBC 531.11 B9343I 2004)
- Cobb, Allan B. **Super Science Projects About Energy and Motion.** (CBC 531.6 C6332e 2000)
Introduces basic principles of energy and motion through hands-on activities and experiments.
- Cobb, Vicki. **Why Doesn't The Sun Burn Out? And Other Not Such Dumb Questions About Energy.**
(CBC 531.6 C6348w 1990)
Presents nine questions on different kinds of energy, such as heat, kinetic, and chemical energy, and their relation to matter.
- Croce, Nicholas. **Newton and the Three Laws of Motion.** (CBC 531.11 C8715n 2005)
- Dispezio, Michael A. **Awesome Experiments In Force & Motion.** (IMC PC QC73.4 .D575 1998)
Provides more than fifty experiments illustrating the properties of force and motion including gravity, inertia, and density.
- Fiedler, Julie. **Learning About Force and Motion With Graphic Organizers.** (CBC 531.11 F45271 2007)
- Hewitt, Sally. **Full of Energy.** (CBC 531.6 H4975f 1998)
An interactive approach introducing the concept of energy as found in food, sun, wind, water, and other sources and as used for nutrition, warmth, and motion.
- Kerrod, Robin. **Let's Investigate Force and Motion.** (CBC 531.6 K4688f 1994)
Illustrates with simple examples and experiments the principles behind natural forces and the motions they create as well as their effects and how they can be utilized.
- Murphy, Bryan. **Experiment With Movement.** (CBC 531.11 M9518e 1991)
Presents simple experiments demonstrating the basic scientific principles of movement.
- Nankivell-Aston, Sally. **Science Experiments With Forces.** (CBC 531.6 N1555s 2000)
Explores properties of forces such as friction and gravity, through experiments using equipment that is readily available both in homes and schools.
- O'Donnell, Kerri. **Sir Isaac Newton: Using the Laws of Motion to Solve Problems.** (CBC 921 N4842o 2007)
- Pinna, Simon de. **Forces and Motion.** (CBC 531.6 P6567f 1998)
Explains the concepts of force and motion through experiments which can be performed at home.
- Sauvain, Philip Arthur. **Motion.** (CBC 531.1 Sa894m 1992)
Defines motion, describes its different types, and discusses how motion is used in bicycles, escalators, typewriters, and other types of machines.
- Viegas, Jennifer. **Kinetic and Potential Energy: Understanding Changes Within Physical Systems.** (CBC 531.6 V6717k 2005)
- Woodruff, John. **Energy.** (CBC 531.6 W860e 1998)
Explains the concept of energy through experiments which can be performed at home.

Five Senses

Aliki. **My Five Senses.** (BIG BOOK 612.8 AI444m 1989)

A simple presentation of the five senses, demonstrating some ways we use them.

Ballard, Carol. **How Do We Feel and Touch?** (CBC 612.88 B2122h 1998)

A basic introduction to how our bodies feel sensations, exploring such topics as skin receptors, pressure, hot and cold, and pain.

Ballard, Carol. **How Do We Taste and Smell?** (CBC 612.86 B2122h 1998)

A basic introduction to how our bodies perceive taste and smell, exploring such topics as the taste buds, the detection of different tastes, the structure of the nose, and artificial tastes and smells.

Berry, Joy Wilt. **Teach Me About Smelling.** (CBC 611.86 B4598t 1988)

Berry, Joy Wilt. **Teach Me About Touching.** (CBC 611.88 B4598t 1988)

Cobb, Vicki. **Follow Your Nose: Discover Your Sense of Smell.** (CBC 612.86 C6348f 2000)

Examines the sense of smell, how the nose detects different odors, and how we react to different smells. Includes simple experiments to test the sense of smell.

Cobb, Vicki. **How To Really Fool Yourself: Illusions For All Your Senses.** (CBC 612.8 C634h)

Demonstrations accompanied by explanations illustrate how and why the senses can be fooled.

Cole, Joanna. **The Magic School Bus Explores the Senses.** (CBC 612.8 C6752m 1999)

Ms. Frizzle and her class explore the senses by traveling on the magic school bus in and out of an eye, ear, mouth, nose, and other parts of both human and animal bodies.

Frost, Helen. **Hearing.** (CBC 612.85 F9297h 2000)

Simple text and photographs present the sense of hearing and how it works.

Frost, Helen. **Smelling.** (CBC 612.86 F9297s 2000)

Simple text and photographs present the sense of smell and how it works.

Frost, Helen. **Tasting.** (CBC 612.87 F9297t 2000)

Simple text and photographs describe and illustrate the sense of taste.

Frost, Helen. **Touching.** (CBC 612.88 F9297t 2000)

Uses simple text and photographs to explain how the sense of touch works.

Frost, Helen. **Your Senses.** (CBC 612.8 F9297y 2000)

Simple text and photographs present the five senses and how they work together.

Hewitt, Sally. **The Five Senses.** (CBC 591.18 H4975f 1999)

Examines the five senses possessed by humans, how they are used, and how they compare to those of animals.

Hewitt, Sally. **Hearing Sounds.** (CBC 534 H4975h 1998)

Uses familiar objects to introduce the concepts of sound and hearing, suggests activities to prove or explore a point, and asks questions requiring further study.

Hickman, Pamela. **Animal Senses: How Animals See, Hear, Taste, Smell and Feel.** (CBC 591.18 H5284a 1998)



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- Maurer, Tracy. **The Senses.** (CBC 612.8 M4428s 1999)
Describes the five senses and how they work through various parts of the body to tell us about the world outside ourselves.
- Miller, Margaret. **My Five Senses.** (CBC 612.8 M6162m 1994)
A simple introduction to the five senses and how they help us experience the world around us.
- Moore, Jo Ellen. **My Five Senses: Posters & Reproducible Pages.** (IMC PC QP434.M66 M9 1986)
- Oleksy, Walter. **The Head and Neck: Learning How We Use Our Muscles.** (CBC 611.91 OI26h 2002)
A discussion of the anatomy of the head and neck, the muscles and skeletal structure that allow movement, and the vitally important sense organs.
- Royston, Angela. **Thinking and Feeling.** (CBC 612.8 R8165t 1997)
Describes the parts of the human body that enable us to perceive the world, think, and move our muscles.
- Sherman, Josepha. **The Ear: Learning How We Hear.** (CBC 612.85 Sh555e 2002)
Discusses the anatomy and functions of the human ear.
- Viegas, Jennifer. **The Mouth and Nose: Learning How We Taste and Smell.** (CBC 612.86 V6717m 2002)
Discusses the anatomy and physiology of the mouth and nose and explains how these sensory organs enable us to taste and smell.

Matter

- Darling, David. **From Glasses to Gas: The Science Of Matter.** (CBC 530.4 D2494f 1992)
Text and experiments introduce matter and the various forms it can take under different conditions.
- Kjelle, Marylou Morano. **The Properties of Gases.** (CBC 530.43 K6594p 2007)
Examines a variety of gases.
- Kjelle, Marylou Morano. **The Properties of Liquids.** (CBC 530.42 K6594p 2007)
Compares different liquids and their properties.
- Kjelle, Marylou Morano. **The Properties of Metals.** (CBC 546.3 K6594p 2007)
Examines a variety of metals.
- Kjelle, Marylou Morano. **The Properties of Salts.** (CBC 546.34 K6594p 2007)
Examines the uses and properties of salts.
- Kjelle, Marylou Morano. **The Properties of Solids.** (CBC 530.41 K6594p 2007)
Learn about the different kinds of solids.
- Lilly, Melinda. **Solid, Liquid, and Gas.** (CBC 530.4 L6287s 2004)
A simple description of the different forms of matter and their characteristics.
- Ontario Science Centre. **Solids, Liquids, And Gases.** (CBC 530.4 So444 1998)
- Robinson, Fay. **Solid, Liquid, or Gas?** (CBC 530.4 R5622s 1995)
Discusses the properties of solids, liquids, and gases, the three forms in which matter exists.

Plants

Aston, Dianna Hutts. **A Seed Is Sleepy.** (CBC 581.4 As867s 2007)
An informative, yet beautiful, introduction to seeds.

Carle, Eric. **The Tiny Seed.** (CBC 582 C1923t 1987)
A simple description of a flowering plant's life cycle through the seasons.

Gibbons, Gail. **From Seed to Plant.** (CBC 581.3 G3527f 1991)
Explores the intricate relationship between seeds and the plants which they produce.

Hewitt, Sally. **Plants.** (CBC 580 H4975p 2003)
Colorful illustrations and facts teach children about plants, how they grow, where they are found, and how they impact the natural world.

Jennings, Terry J. **Seeds and Seedlings.** (582.0467 J4483s 1989)
Describes the seeds produced by different kinds of plants, how they spread, germinate, and grow into a new plant. Includes study questions, activities, and experiments.

Lammert, John. **Plants.** (CBC 581.028 L1884p 1992)
Suggests a variety of botany projects and experiments suitable for a science fair.

Pascoe, Elaine. **Plants With Seeds.** (CBC 582 P2632p 2003)
Details the life cycles and characteristics of plants that use seeds to reproduce.

Podendorf, Illa. **The True Book of Plant Experiments.** (CBC 580 P751t)

Rowe, Julian. **Watch It Grow!** (CBC 581.3 R7925a 1994)

Snyder, Julie. **Plants.** (IMC PC LB1585 .S6162 1999)
Colorful poster and reproducible mini-book included.

Wilson, Ron. **How Plants Grow.** (CBC 581 w697h)
Explains the development and structure of plants and how they live and grow, adapt to their surroundings, and reproduce and disperse seeds. Also discusses food chains, ecology, and conservation.

Human Body

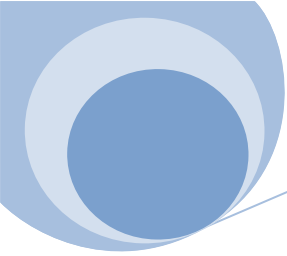
Amery, Heather. **The Human Body.** (CBC 611 Am354h 1994)

Carratello, Patty. **My Body.** (IMC PC QP37 .C28 1980)
This book is designed to provide information about the human body for the primary child.

Cole, Joanna. **The Magic School Bus Inside the Human Body.** (CBC 612 C6752m 1989 (also a big book shelved in IMC Multimedia))
A special field trip on the magic school bus allows Ms. Frizzle's class to get a first-hand look at major parts of the body and how they work.

Cole, Joanna. **Your Insides.** (CBC 612 C6752y 1992)
Examines the different parts of the body and how they work, including the muscles, digestive organs, and lungs.

Ganeri, Anita. **Body Science.** (CBC 612 G1504b 1993)
Illustrations and explanatory text answer questions about the human body and how it works.

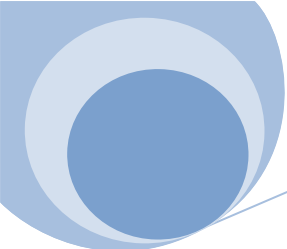


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- Gardner, Robert. **Health Science Projects About Anatomy and Physiology.** (IMC PC QP37 .G359 2001)
- Girard, Linda Walvoord. **My Body Is Private.** (CBC 362.7 G4416m 1984)
A mother-child conversation introduces the topic of sexual abuse and ways to keep one's body private.
- Hewitt, Sally. **You and Your Body.** (CBC 612 H4975y 1999)
Basic text and suggested activities illustrate how the human body works and how to take care of it.
- Kalman, Bobbie. **The Wonders of Me From A to Z.** (CBC 305.235 K1266w 1998)
Each letter of the alphabet introduces a brief discussion of a word that has something to do with human development, relationships, or self-concept, such as body, imagination, and quarrels.
- Parker, Steve. **You and Your Body.** (CBC 612 P2284b 1998)
Examines the systems and parts of the human body and how they work, including the skin, blood, bones, lungs, and heart.
- Seuling, Barbara. **From Head to Toe: The Amazing Human Body and How It Works.** (CBC 612 Se812f 2002)
An introduction to the human body and how it functions, including simple experiments which demonstrate the principles presented.
- Tesar, Jenny E. **Humans.** (CBC 612 T2806h 1994)
- VanCleave, Janice Pratt. **Janice VanCleave's Play and Find Out About the Human Body: Easy Experiments For Young Children.** (IMC PC QP37 .V364 1998)
Presents simple experiments answering such questions about the human body as "Why does my skin pucker up when I take a long bath?" "Why are my bones hard?" and "How much breath do I have?"
- Walker, Richard. **Ouch!: How Your Body Makes It Through A Very Bad Day.** (CBC 612 W1538o 2007)
Describes the human body, especially how it defends itself from many sources of harm.
- Western, Joan. **The Human Body.** (CBC 611 W5257h 1991)
Introduces the body's anatomical parts and systems, including tissues and cells, skeleton, joints, muscles, blood, heart, lungs, digestive and reproductive systems, brain, and senses.
- Wiese, Jim. **Head to Toe Science: Over 40 Eye-Popping, Spine-Tingling, Heart Pounding Activities That Teach Kids About The Human Body.** (IMC PC QP37 .W48 2000)
Introduces the circulatory system, muscles, digestion, senses, and other body parts and functions through a collection of activities and experiments which can be developed into science fair projects.

Weather

- Artell, Mike. **Weather Whys: Questions, Facts, and Riddles About Weather.** (IMC PC QC981.3 .A78 1995)
- Baxter, Nicola. **Rain, Wind, And Storm.** (CBC 551.55 B3358r 1998)
Describes different kinds of storms, their causes, the damage they can inflict, and ways of dealing with them.
- Bramwell, Martyn. **Weather.** (CBC 551.5 B73727w 1994)
- Breen, Mark. **The Kids' Book of Weather Forecasting: Build a Weather Station, "Read" the Sky & Make Predictions With Meteorologist Mark Breen and Kathleen Friestad.** (CBC 551.5 B7457k 2000)
A hands-on introduction to the science of meteorology, explaining how to make equipment to measure



Science Books

rainfall, wind direction, and humidity, record measurements and observations in a weather log, make weather predictions, and perform other related activities.

Brotak, Ed. **Wild About Weather: 50 Wet, Windy, & Wonderful Activities.** (CBC 551.6 B7947w 2004)
Provides instruction for fun projects and activities that bring weather to life.

Bunday, Nikki. **Ice and the Earth.** (CBC 551.31 B8823i 2001)
Discusses the formation of various icy weather conditions and their effects on the earth's surface, plants, animals, and climate.

Cole, Joanna. **The Magic School Bus Inside a Hurricane.** (CBC 551.552 C6752m 1995)

Cosgrove, Brian. **Weather.** (CBC 551.5 C8204w 1991)
Photographs and text depict different aspects of weather and how it is forecast.

DeWitt, Lynda. **What Will the Weather Be?** (CBC 551.63 D5177w 1991)
Explains the basic characteristics of weather--temperature, humidity, wind speed and direction, air pressure--and how meteorologists gather data for their forecasts.

Estigarribia, Diana. **Learning About Weather With Graphic Organizers.** (CBC 551.5 Es8641 2005)

Ganeri, Anita. **Weather.** (CBC 551.5 G1504w 1993)
Explains various aspects of weather including the whys and wherefores of clouds, rain, hailstones, atmosphere, climate, forecasting, and other related topics. Includes simple projects.

Gibbons, Gail. **Weather Forecasting.** (CBC 551.6 G327w 1987)
Describes forecasters at work in a weather station as they use sophisticated equipment to track and gauge the constant changes in the weather.

Hewitt, Sally. **Weather.** (CBC 551.5 H4975w 2000)
Explains the causes of changes in the weather, discussing such phenomena as sunshine, clouds, rain, snow, and storms and how they are observed and predicted.

Hughes, Monica. **Weather Patterns.** (CBC 551.6 H8745w 2004)

Kahl, Jonathan D. **Hazy Skies: Weather and the Environment.** (CBC 363.73 K1214h 1998)
Describes the connections between pollution and weather, the destruction of the ozone layer, global warming, efforts at pollution control, and alternative energy forms.

Kahl, Jonathan D. **Wet Weather: Rain Showers and Snowfall.** (CBC 551.577 K1213w 1992)
Explains the water cycle: where water comes from, how clouds are formed, weather patterns that bring rain or snow, and more.

Merk, Ann and Jim. **Studying Weather.** (CBC 551.5 M5452s 1994)

Merk, Ann and Jim. **The Weather and Us.** (CBC 551.5 M5452w 1994)

Morgan, Sally. **Changing Climate.** (CBC 363.738 M8238c 1999)
Examines the causes of recent changes in climate, their effects on our planet, and ways to reduce the harmful effects.

National Wildlife Federation. **Wild About Weather.** (CBC 551.6 W6432 1998)



Science Books

Petty, Kate. **People Chase Twisters.** (CBC 551.55 P4564i 1998)

Provides information about violent weather phenomena such as thunderstorms, lightning, blizzards, monsoons, and sandstorms.

Rogers, Paul. **What Will the Weather be Like Today?** (IMC Multimedia 63507)

Animals and humans discuss, in rhyming verse, the possibilities of the day's weather. Kit includes one big book, six paperback books, one sound cassette and one teacher's guide.

Rowe, Julian. **Weather Watch.** (CBC 551.5 R7925w 1994)

Wallace, Karen. **Whatever the Weather.** (CBC 551.6 W1557w 1999)

Text, illustrations, and photographs of a boy looking out the window introduce different kinds of weather as it changes from day to day.