

Science Encyclopedia Atom Smashing Food Chemistry Animals Space And More

How Things WorkThe SciencebookEncyclopedia of Beasts and Monsters in
Myth, Legend and FolkloreSpace Encyclopedia5,000 Awesome Facts (about
Everything!) 2Science a Children's EncyclopediaFast Food NationScience
EncyclopediaThe Knowledge BookThe Usborne Science EncyclopediaFirst
History EncyclopediaFuture FoodsHelp Your Kids with Computer
ScienceSoil pollution: a hidden realityThe Science of EverythingThe
Kingfisher Science EncyclopediaScience EncyclopediaYoung People's
Science EncyclopediaWildlife AdventureBill Nye's Great Big World of
ScienceThe Encyclopedia of AnimalsScience EncyclopediaUnited States
EncyclopediaChildren's Book of Baking CakesArt a Children's
EncyclopediaGirls GarageThe Way Science WorksAwesome Science
Experiments for KidsThe Usborne Internet-linked Science
EncyclopediaUltimate OceanpediaEncyclopedia of AnimalsExtreme Science
ExperimentsFirst Encyclopedia of the Human BodyScience EncyclopediaHow
Things Work: Then and NowEncyclopedia of Science and
TechnologyConceptual ChemistryThe New Children's EncyclopediaLittle
Kids First Big Book of WhyScience

How Things Work

Here is your chance to investigate the wild, wacky world of science. The experiments are fun to carry out and will give some very surprising results - just the thing to intrigue young scientists into finding out more. All the projects can be carried out with everyday objects, but put to some rather unusual uses. Scientists aged 8 and up should grab their goggles and get ready for some serious fun.

The Sciencebook

This homework helper explains to kids and parents computer science principles, from hardware to computer coding and what the future may hold. This study aid takes children from age 10 all the way up to GCSE Computer Science and beyond. Covering everything from data to digital life, and from computer coding to cyber attacks, Help Your Kids With Computer Science gives parents and kids the most up-to-date and comprehensive facts and information on the subject. This unique visual guide examines the technical aspects of computers, such as how they function, the latest digital devices and software, and how the Internet works. It also builds the confidence of parents and kids when facing challenges such as staying safe online, digital etiquette, and how to navigate the potential pitfalls of social media. Jargon-free language helps to explain difficult and potentially dread-inducing homework such as hacking, Bitcoin, and malware, while colourful graphics help make learning about the world of computer science exciting. Help You Kids with Computer Science can be used to support

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KS 1 to 5 in the UK, including GCSE Computer Science and A-level Computer science.

Encyclopedia of Beasts and Monsters in Myth, Legend and Folklore

Wildlife Adventure! is no ordinary guidebook! Venture around the world with Coyote Peterson to learn about animals and their habitats in this interactive field guide packed with animal facts, write-in activities, stickers, and more! In this official non-fiction adventure guide, Coyote Peterson will teach fans how to discover the animals in their very own backyard before whisking them away to learn more about the desert, rainforest, savanna, and even more epic locations. Members of the Coyote Pack will be able to go on endless adventures through 10 photographic scenes that can be decorated with this guide's HUNDREDS of stickers! Jam-packed with animal facts, gear check-lists, write-in activities, Coyote Pack badges, and much more, this guide is the perfect holiday gift for boys and girls of all ages. Be brave and stay wild!

Space Encyclopedia

5,000 Awesome Facts (about Everything!) 2

Facts, quizzes, experiments, and illustrations link basic scientific principles with everyday life.

Science a Children's Encyclopedia

"Getting kids excited about science can be difficult. Science Experiments for Kids provides young scientists ages 5-10 with hands-on experiments that teach them how to apply the scientific method. From the home laboratory of former chemistry teacher and blogger behind the Science Kiddo, Crystal Chatterton combines fun experiments with the hows and whys behind them in Science Experiments for Kids"--

Fast Food Nation

Provides five thousand facts about everything from water parks and hair to manners and fossils.

Science Encyclopedia

"From tsunamis and seaturtles to riptides and reefs, learn all a bout the creatures, science, and ecology of our oceans, which cover more of theplanet than all the continents and are just as important! Travel through all parts of the ocean to learn how it affects of our world, including storms and climate. Amazing facts, photos, illustrations,

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and diagrams are found throughout this book, along with conservation tips, weird-but-true facts, and a miniocean atlas. Challenges to the health of our ocean and its creatures are also presented along with what people are doing to keep it pristine for generations to come"--

The Knowledge Book

Presents a survey of all animal groups, with diagrams, distribution maps, color photographs. and overviews of animal evolution, behavior, habitats, and adaptation.

The Usborne Science Encyclopedia

Girls Garage is the only book you'll ever need for a lifetime of tools and building. Not sure which screws to buy? Need to fix a running toilet? With Girls Garage, you'll have the expertise to tackle these problems with your own hands. Or maybe you want to get creative and build something totally new. A birdhouse? A bookshelf? Girls Garage has you covered. Packed with illustrations that will build confidence for your next hardware store run, practical advice on everything from quick fixes to safety tips, and inspiring stories from real-world builder girls and women, this eye-catching volume makes the technical accessible. This is the guide every girl needs to take her life into her own hands. Girls, grab your tool belts, and get building! • Informative, inspiring, and designed for everyday use, this is the ultimate book of book of building and construction for girls. • A true confidence builder for girls interested in STEM, the building trades, and home improvement. • Along with founding the nonprofit Girls Garage, Emily Pilloton has spoken at TED, been featured on television shows and the documentary film If You Build It. Girls Garage will be both a trusted household resource and a wellspring of inspiration and encouragement in the vein of Women in Science and Headstrong: 52 Women Who Changed Science and the World. • Nonfiction books for women and girls age 14 and up • Carpentry, home repair, building projects • Inspiring Kids DIY for teens

First History Encyclopedia

Ever wanted to take apart the microwave to see how it works? Crack open your computer and peek inside? Intrigued by how things work? So are we! That's why we're dissecting all kinds of things from rubber erasers to tractor beams! Read along as National Geographic Kids unplugs, unravels, and reveals how things do what they do. Complete with "Tales from the Lab," true stories, biographies of real scientists and engineers, exciting diagrams and illustrations, accessible explanations, trivia, and fun features, this cool book explains it all!

Future Foods

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Here there be dragons--this notation was often made on ancient maps to indicate the edges of the known world and what lay beyond. Heroes who ventured there were only as great as the beasts they encountered. This encyclopedia contains more than 2,200 monsters of myth and folklore, who both made life difficult for humans and fought by their side. Entries describe the appearance, behavior, and cultural origin of mythic creatures well-known and obscure, collected from traditions around the world.

Help Your Kids with Computer Science

The must-have, everything-you-need-to-know science book from every kid's favorite science educator, Bill Nye Science educator, TV host, and New York Times-bestselling author Bill Nye is on a mission to help kids understand and appreciate the science that makes our world work. Featuring a range of subjects--physics, chemistry, geology, biology, astronomy, global warming, and more--this profusely illustrated book covers the basic principles of each science, key discoveries, recent revolutionary advances, and the problems that science still needs to solve for our Earth. Nye and coauthor Gregory Mone present the most difficult theories and facts in an easy-to-comprehend, humorous way. They interviewed numerous specialists from around the world, in each of the fields discussed, whose insights are included throughout. Also included are experiments kids can do themselves to bring science to life! Features photographs, illustrations, diagrams, glossary, bibliography, and index.

Soil pollution: a hidden reality

Food chemistry, atom crashing, wavepower, foodchemistry, androbots!These arejusta few of thetopics coveredin thisfantastic new science encyclopedia, which presentsa comprehensive overview of physicaland lifesciences from AtoZ. Super smart and kid-friendly, it s packed with full-color photographs, weird but true facts, amazingstatistics, do-it-yourself experiments, plus profiles of scientists and National Geographic's explorerswho rockthe worldof science. Keepupwiththe changes happeningallarounds with thisstellarsciencereferencebook. "From the Hardcover edition."

The Science of Everything

Amazing photographs and illustrations with lively text to explain the amazing human body.

The Kingfisher Science Encyclopedia

Plunge into the diversity of the animal kingdom in this Encyclopaedia of Animals. Packed with over 500 creatures, every one is looked at in detail by a natural history expert. From the tiniest sponge to the

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largest elephant, all entries are gloriously illustrated in this spectacular celebration of life on Earth.

Science Encyclopedia

"This is a concise yet comprehensive single-volume desk reference that covers cultural history, biology, chemistry, earth science, maths, the arts, environment, society, politics, religion, philosophy, psychology and more. Written for a general audience and students"--Provided by publisher.

Young People's Science Encyclopedia

Get children excited about science with this essential, encyclopedic introduction to physics, chemistry, and biology. What makes a firework bang? How do plants use sunlight to make food? What is the mysterious force that makes a magnet cling to your refrigerator? With astonishing images, simple graphics, and crystal-clear text Science a children's encyclopedia will explain the answers to all these questions, and many, many more. Find out how chemistry begins with matter - the stuff we and our world are all made of - and the building blocks of atoms, so super-small there are about one million, million atoms on the dot of this "i". The science of physics explains forces, energy, light, electricity, and magnetism. Forces are the hidden power behind everything on Earth, and the Universe beyond. It's the force of gravity that keeps you stuck on Earth's surface, so it's pretty important to understand. Biology is all about how living things work, from tiny germs, to giant trees, to you! Did you know your amazing body has more than 1,000 parts, including bones, muscles and other organs? Packed with the essential information that every curious child needs to understand how our extraordinary world works, Science a children's encyclopedia should be in every family library.

Wildlife Adventure

Natural phenomena, revolutionary inventions, scientific facts, and the most up-to-date questions are all explained in detailed text that is complemented by visually arresting graphics. Six major sections are further broken down into subsections that encompass everything from microscopic life to nuclear power.

Bill Nye's Great Big World of Science

This beautiful art book for children charts the evolution of the greatest cultural achievements in painting, sculpture and photography. Art- A Children's Encyclopedia traces the development of painting, from prehistoric cave drawings to the Mona Lisa to contemporary street art. Get to grips with world-famous sculptures, including the Terracotta Army and Michelangelo's David. Find out about photography,

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from pinhole cameras to digital imagery and iconic photography such as Neil Leifer's Ali versus Liston. With amazing facts, clear explanations, and stunning photography, Art- A Children's Encyclopedia is the essential introduction to the art world for children.

The Encyclopedia of Animals

This stimulating and comprehensive encyclopedia for children ages 8-12 provides answers to all the questions kids love to ask. Each chapter is jam-packed with maps, charts, timelines, diagrams, beautiful images, and amazing facts. Did you know, for example, that a single drop of blood contains around five million blood cells? Or that there are areas of desert in all seven of Earth's continents? Kids can build their knowledge on a wide range of topics-including Earth and beyond, plants and animals, history and politics, science, technology, and the human body-arranged thematically with more than 9,000 indexed entries and 2,500 colorful images. Cross-reference icons encourage children to explore and discover linked information, feeding their curiosity and building their general knowledge. The New Children's Encyclopedia, which has sold almost 500,000 copies worldwide since 2009, has now been fully updated in line with the latest knowledge and research. Developed, written, and checked by experts, this is the must-have reference book for every child's library.

Science Encyclopedia

From outer space to the inside of bodies, explore the incredible world of science with this first reference for young scientists Help your child take an incredible look at the physics, biology and chemistry that shapes everything around us. Packed with answers, they'll discover why a flower grows, what's in the air that we breathe, and why what goes up must come down. Full of bite-sized facts, curiosity quizzes and special 'weird-or-what' features kids will love getting their teeth into, there's lots to see and explore. Perfect for homework or just for fun. Go ahead; let your child explore the world of science!

United States Encyclopedia

Today's children stand on the threshold of a new millennium that promises incredible scientific and technological advances. The need to understand basic scientific principles has never been greater and these principles are brought within the grasp of every child by The Kingfisher Science Encyclopedia. All the essential subject areas, from Space and Time, Materials and Technology, to Human Biology, are covered in this one-volume encyclopedia. Accurate, approachable, and an indispensable source of information for school projects, The Kingfisher Science Encyclopedia is the perfect gift for the up-and-

coming Bill Gates, Albert Einstein, or Marie Curie in the family.
Special Features: More than 3,500 indexed references. Thematic arrangement. Important events highlighted. Illustrated biographies of key figures. Cross-references. Comprehensive index. Glossary.

Children's Book of Baking Cakes

Important historical topics from the Stone Age and Ancient Egypt to the US Civil War and World War II are clearly explained in this fun and informative illustrated history book for children studying KS1 and KS2 subjects. First History Encyclopedia covers everything a young child needs to know. It follows the curriculum for Key Stages 1 and 2 and provides a strong foundation for history learning through the rest of the school years. It is the perfect homework help book to support children as they begin to learn about history. This history book sits in DK's popular First Reference series. It introduces exciting periods and civilizations, such as the Romans, Vikings, and Aztecs, that will get kids hooked on learning about the past.

Art a Children's Encyclopedia

Offers an illustrated encyclopedia of general science, with informative and fun facts on a broad array of scientific topics.

Girls Garage

John Suchocki's Conceptual Chemistry , Second Edition makes chemistry come alive for the non-science student through an engaging writing style, fun and easy-to-perform experiments, and a multimedia package that is as uniquely integrated as it is extensive. Building on the success of the First Edition, this revised book provides a fresh, insightful, and welcoming look into the concepts of chemistry. Suchocki uses his considerable experience to emphasize a conceptual understanding of our everyday world from the perspective of atoms and molecules. Real-world examples and student activities are woven throughout the text, and calculations are incorporated in select instances where they assist in conceptual understanding. Twelve core chapters cover basic chemical concepts including atomic models, chemical bonding, and chemical reactions. These are followed by seven chapters organized around applied chemistry topics such as nutrition, drugs, agriculture, water resources, the atmosphere, modern materials, and energy sources. Extensive end-of-chapter study materials encourage critical thinking and increase student understanding. The compelling supplemental multimedia package features an unprecedented level of integration with the text, including The Chemistry Place Website and Conceptual Chemistry Alive! a 12 CD-ROM set in which the author is available to each student as a personal and portable guest lecturer. The set includes video presentations, animations, a bank of more than 600 new questions, and more.

The Way Science Works

Travel back in time and into the not-so-distant future to dissect, explore, and discover how all kinds of things do what they do! Along the way, you'll learn why cotton candy is so fluffy, how scientists built a space suit for Mars, and what goes into animating your favorite cartoons. Look inside, take it apart, turn it over, and figure out how things work! Quippy descriptions, full-color diagrams, and brilliant photographs make even the most intimidating subjects completely accessible--and totally fun! (We're looking at you, space robots.) For every explanation, we touch on basic principles and then dive deeper. Just want to know what terraforming is? We've got you covered. Want to know how to terraform, say, Mars? We'll explain that, too. But this book isn't just for explaining things. We'll also introduce you to the dreamers, scientists, and innovators who create this amazing stuff. You'll meet a NASA engineer, an underwater archaeologist, and a chocolate scientist. You'll learn what it's like to fly a plane into the eye of a hurricane--on purpose. Following on the success of National Geographic's How Things Work and How Things Work: Inside Out, How Things Work: Then and Now tackles a whole new batch of extraordinary and everyday things--from man-made to natural, historic to futuristic.

Awesome Science Experiments for Kids

Providing colorful photography, instructive diagrams and everyday examples, this exciting resource reveals the science behind virtually everything and is divided into four sections - Mechanics, Natural Forces, Materials and Chemistry and Biology and Medicine.

The Usborne Internet-linked Science Encyclopedia

We are in the midst of an unprecedented era of rapid scientific and technological advances that are transforming the way our foods are produced and consumed. Food architecture is being used to construct healthier, tastier, and more sustainable foods. Functional foods are being created to combat chronic diseases such as obesity, cancer, diabetes, stroke, and heart disease. These foods are fortified with nutraceuticals or probiotics to improve our mood, performance, and health. The behavior of foods inside our guts is being controlled to increase their healthiness. Precision nutrition is being used to tailor diets to our unique genetic profiles, microbiomes, and metabolisms. Gene editing, nanotechnology, and artificial intelligence are being used to address modern food challenges such as feeding the growing global population, reducing greenhouse gas emissions, reducing waste, and improving sustainability. However, the application of these technologies is facing a backlash from consumers concerned about the potential risks posed to human and environmental health. Some of the questions addressed in this book are: What is food architecture? How

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does sound and color impact taste? Will we all have 3D food printers in all our homes? Should nanotechnology and gene editing be used to enhance our foods? Are these new technologies safe? Would you eat bug-foods if it led to a more sustainable food supply? Should vegetarians eat themselves? Can nutraceuticals and probiotics stop cancer? What is the molecular basis of a tasty sustainable burger? David Julian McClements is a Distinguished Professor in food science who has used physics, chemistry, and biology to improve the quality, safety, and healthiness of foods for over 30 years. He has published over 900 scientific articles and 10 books in this area and is currently the most highly cited food scientist in the world. He has won numerous scientific awards for his work. The aim of this book is to highlight the many exciting advances being made in the science of foods, and to show their application for solving important problems related to the modern food supply, such as tackling chronic diseases, feeding a global population, reducing food waste, and creating healthier and tastier foods.

Ultimate Oceanpedia

The richness of America in all its grandeur and diversity is captured in this comprehensive, authoritative, and lively United States Encyclopedia. With a team of experts and talented writers, this book will be the definitive United States reference resource for kids, and an indispensable tool for home and school. Every state in the union is showcased in a spectacular way in this big, beautiful book of the U.S. Awesome to look at, fun to read, and easy to use, it includes an unparalleled amount of information that is both intriguing and useful. Beginning with a lush thematic section covering topics from early America to civil rights, population, and the new millennium, the United States Encyclopedia then delves into vibrant essays on each state and the U.S. territories. Fun facts about people, places, and events are sprinkled throughout. Also included: U.S. facts and figures, a listing of the presidents, and overviews of important historical American documents.

Encyclopedia of Animals

A book full of delicious ideas for baking and decorating a huge variety of yummy cakes. Instructions for decorating techniques and recipes for different icing and topping recipes help make each tasty treat look like it's straight out of the baker's.

Extreme Science Experiments

First Encyclopedia of the Human Body

"Discusses key concepts in biology, physics, chemistry, and other

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scientific fields, and includes fast fact boxes, images and diagrams, and information about key scientists and their work."--

Science Encyclopedia

This document presents key messages and the state-of-the-art of soil pollution, its implications on food safety and human health. It aims to set the basis for further discussion during the forthcoming Global Symposium on Soil Pollution (GSOP18), to be held at FAO HQ from May 2nd to 4th 2018. The publication has been reviewed by the Intergovernmental Technical Panel on Soil (ITPS) and contributing authors. It addresses scientific evidences on soil pollution and highlights the need to assess the extent of soil pollution globally in order to achieve food safety and sustainable development. This is linked to FAO's strategic objectives, especially S01, S02, S04 and S05 because of the crucial role of soils to ensure effective nutrient cycling to produce nutritious and safe food, reduce atmospheric CO2 and N2O concentrations and thus mitigate climate change, develop sustainable soil management practices that enhance agricultural resilience to extreme climate events by reducing soil degradation processes. This document will be a reference material for those interested in learning more about sources and effects of soil pollution.

How Things Work: Then and Now

A tour of outer space explores the solar system as well as stars, galaxies, and the birth of planets, and speculates on whether other intelligent beings exist in the universe.

Encyclopedia of Science and Technology

Presents information about the sciences, including such newly prominent fields as genetic engineering and nanotechnology, suggests activities and experiments, and offers definitions and questions.

Conceptual Chemistry

Presents nearly one thousand entries and 750 illustrations on science and technology, with bibliographies after each entry and sidebars containing relevant facts.

The New Children's Encyclopedia

Provides answers to commonly asked questions such as "Why does my skin wrinkle in the tub?" and "Why do we see a rainbow?"

Little Kids First Big Book of Why

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Explores the homogenization of American culture and the impact of the fast food industry on modern-day health, economy, politics, popular culture, entertainment, and food production.

Science

From lightning bolts to robotics, bring science to life with incredible experiments. From the principles that explain the world to the theories behind today's fast changing technology, help your child discover science in action. Test the theories together with more than 60 hands-on projects and explore amazing images which take you to the cutting-edge of scientific developments. Packed with facts about famous scientists, new technology and more.

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