
The Science Book Big Ideas Simply Explained Dk Publishing

The Science Book
The Biology Book
Big Ideas in Outdoor Primary Science
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Mammoth Science
Understanding and Enjoying the Natural World
The Math Book
Big Ideas Simply Explained
A complete introduction
The Business Book
The Movie Book
The Economics Book
Big Ideas in Brief
Guns, Germs, and Steel: The Fates of Human Societies (20th Anniversary Edition)
The Psychology Book
The Mythology Book
Big Ideas in Social Science
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The History Book

HUNTER KEELY

The Science Book Penguin

The ability to understand science as a totality - matter, space, energy, life, weather, information and the future - will enhance your understanding of all the challenges facing humanity, as well as allow you to go deeper into specific technologies. This book, complete with worked examples and key facts, forms a course which will take you from novice level to a competent understanding of the hottest topics in science. It includes step-by-step explanations of subjects as complex as the birth of life and plate tectonics, with suggestions for further reading and summaries to help you understand the key points. Chapters cover: the Big Bang, the solar system, the birth of life, evolution, DNA, the genome, genetics and cloning, the structure of Earth, earthquakes and volcanoes, weather, energy, the microprocessor, artificial intelligence, space exploration, scientific fraud, scientific controversies, climate change, and the future of science. ABOUT THE SERIES The Complete Introduction series from Teach Yourself is the ultimate one-stop guide for anyone wanting a comprehensive and accessible entry point into subjects as diverse as philosophy, mathematics, psychology, economics and practical electronics. Loved by students and perfect for general readers who simply want to learn more about the world around them, these books are your first choice for discovering something new.

The Biology Book Penguin

Packed with innovative graphics and simple explanations of business concepts, from managing risk and alternative business models to effective leadership and thinking outside the box, The Business Book covers every facet of business management. Big ideas make great business thinkers and leaders. From Adam Smith and Andrew Carnegie to Bill Gates and Warren Buffett, The Business Book is perfect for college students, would-be entrepreneurs, or anyone interested in how business works. The Business Book is the perfect primer to key theories of business and management, covering inspirational business ideas, business strategy and alternative business models. One hundred key

quotations introduce you to the work of great commercial thinkers, leaders, and gurus from Henry Ford to Steve Jobs, and to topics spanning from start-ups to ethics.

Big Ideas in Outdoor Primary Science Penguin

The clearest, simplest e-guide to quantum physics ever published. Discovering quantum physics has never been easier. Combining bold graphics with easy-to-understand text, Simply Quantum Physics is an essential introduction to the subject for those who are short on time but hungry for knowledge. It's a perfect beginner's e-guide to a strange and fascinating world that at times seems to conflict with common sense. Covering more than 80 key ideas from the uncertainty principle to quantum tunneling, it is divided into pared-back, single- or double-page entries that explain concepts simply and visually. Assuming no previous knowledge of physics, it demystifies some of the most groundbreaking ideas in modern science and introduces the work of some of the most famous physicists of the 20th and 21st centuries, including Albert Einstein, Neils Bohr, Erwin Schrödinger, and Richard Feynman. Whether you are studying physics at school or college, or simply want a jargon-free overview of the subject, this essential guide is packed with everything you need to understand the basics quickly and easily.

The Big Ideas in Science Teach Yourself

Travel thousands of years into our past and discover the significant events that shaped the world as we know it. This book includes short, descriptive explanations of key ideas, themes, and events of world history that are easy to understand. Explore topics such as the founding of Baghdad, the colonization of the Americas, and the inception of Buddhism without complicated jargon. This book is part of DK's award-winning Big Ideas Simply Explained educational series that uses witty graphics and engaging descriptions to enlighten readers. Don't stop at American history, explore the world! This book is full of fun facts from the human story, going as far back as the origins of our species to space exploration today. Discover all things revolution, from the French to the digital, including the rise of the internet. Enjoy short and sweet biographies of some of the most important thinkers and leaders throughout history, like Martin Luther, Charles Darwin, and Nelson Mandela. You'll learn who said famous

historical quotes, and what they really meant when they said it. Big Ideas This is a modern twist on the good old-fashioned encyclopedia, now easier to follow with diagrams, mind maps, and timelines. Step-by-step diagrams will have you reviewing your ideas about history. Start from the very beginning: - Human Origins 200,000 years ago - 3500 BGE - Ancient Civilizations 6000 BGE - 500 CE - The Medieval World 500 - 1492 - Early Modern Era 1420 - 1795 - Changing Societies 1776 - 1914 - The Modern World 1914 - Present The Series Simply Explained With over 7 million copies sold worldwide to date, The History Book is part of the award-winning Big Ideas Simply Explained series from DK Books. It uses innovative graphics along with engaging writing to make complex subjects easier to understand.

The Big Idea Science Book Penguin

Explore ecology in this accessible introduction to how the natural world works and how we have started to understand the environment, ecosystems, and climate change. Using a bold, graphic-led approach, The Ecology Book explores and explains more than 85 of the key ideas, movements, and acts that have defined ecology and ecological thought. The book has a simple chronological structure, with early chapters ranging from the ideas of classical thinkers to attempts by Enlightenment thinkers to systematically order the natural world. Later chapters trace the evolution of modern thinking, from the ideas of Thomas Malthus, Henry Thoreau, and others, right up to the political and scientific developments of the modern era, including the birth of the environmental movement and the Paris Agreement. The ideal introduction to one of the most important subjects of our time.

The Philosophy Book DK

"Fascinating.... Lays a foundation for understanding human history."—Bill Gates In this "artful, informative, and delightful" (William H. McNeill, New York Review of Books) book, Jared Diamond convincingly argues that geographical and environmental factors shaped the modern world. Societies that had had a head start in food production advanced beyond the hunter-gatherer stage, and then developed religion --as well as nasty germs and potent weapons of war --and adventured on sea and land to conquer and decimate preliterate cultures. A major advance in our understanding of human societies, Guns, Germs,

and Steel chronicles the way that the modern world came to be and stunningly dismantles racially based theories of human history. Winner of the Pulitzer Prize, the Phi Beta Kappa Award in Science, the Rhone-Poulenc Prize, and the Commonwealth club of California's Gold Medal.

Big Ideas Simply Explained DK

You don't have to be a scientist to find this beginner's biology book fascinating! What is life? Why do bees dance? How do animals know their mothers? Who discovered germs? Discover the living world, how it interacts with the environment, and stand in awe of the most interesting biology facts, theories, and discoveries. The Biology Book is written in simple English making complex biological ideas accessible to everyone! Whether you're a student or lay-scientist, you'll find these pages exciting and educational because it: - Combines creative typography, graphics, and accessible text to explore the most famous and important ideas in biology and the people behind them - Includes a directory section for easy localization - Profiles more than 95 ideas and events key to the development of biology and the life sciences, with thought-provoking graphics throughout that demystify the central concepts behind each idea - Features insightful and inspiring quotes from leading biologists and scientists, such as 2020 Nobel Laureates, Emmanuelle Charpentier and Jennifer Doudna, as well as thinkers in other fields Learn everything you wanted to know about Biology Over the last few centuries, humans have been enamored by the world around us. Trace the history of scientific thought and meet the scientists who shaped the natural sciences, such as Carl Linnaeus, Jean-Baptiste Lamarck, Charles Darwin, and Gregor Mendel. From the mechanics of plants, animals, and the human body; to DNA and genetic inheritance; and the development of vaccines, explore the crucial discoveries to understand how our world works. The Biology Book uncovers over 95 key ideas in the field of biology. Step by step flowcharts, diagrams, and accessible text will help demystify complex biological processes and help you enhance your understanding. This biology book also discusses current trends such as cloning, neuroscience, human evolution, and gene editing. Whether you're new to the subject, a budding scientist, or keen to keep up with and understand current ethical and scientific debates, The Biology Book is for you. Other educational knowledge titles Love what you see here? Look out for other titles

in the series such as The History Book, The Astronomy Book, and The Science Book. Specially written to help make tricky concepts simple, they're perfect for helping to mould and educate young minds.

The Astronomy Book Penguin

This is a hands-on book about ArcGIS that you work with as much as read. By the end, using Learn ArcGIS lessons, you'll be able to say you made a story map, conducted geographic analysis, edited geographic data, worked in a 3D web scene, built a 3D model of Venice, and more.

Simply Quantum Physics Penguin

David Macaulay's troupe of curious mammoths lead you through the basics of physics, biology, and chemistry in this unconventional and highly original guide to science. From the interior of an atom to the solar system and beyond, the mammoths seek to understand the science! These intrepid science demonstrators will go to incredible lengths to educate and entertain. They wrestle with magnets to understand their powerful force, make mammoth models of different materials explore what gives them mass, and step into an X-ray machine to reveal the bones beneath their woolly exterior. Observing and recording the mammoth's behavior is bestselling illustrator David Macaulay, whose *How Machines Work* won the Royal Society Young People's Book Prize in 2016. Renowned for his ability to explain complex ideas with simple genius, Macaulay captures the oddball humor of his subject matter, making Macaulay's *Mammoth Science* the perfect introduction to scientific principles for the young and the young-at-heart.

Big Ideas Simply Explained The Rosen Publishing Group, Inc Big Ideas in Outdoor Primary Science takes a fresh approach to learning science in outdoor contexts. It combines new thinking in science teaching using big ideas, with our growing need to look after our planet, and encourages children to learn from what scientists have to say about issues which will impact their lives today and in the future. The book offers primary teachers the subject and pedagogical knowledge, as well as the confidence they need, to integrate the seeds of big ideas into their curriculum. To this end, it provides models of good practice which exemplify how primary-aged children can work towards understanding some of science's big ideas and engage with important issues related to wildlife conservation. The easy-to-use

book covers topics such as: Interdependence Adaptation Inheritance Following in Darwin's footsteps Protecting ecosystems Full of ideas for outside learning, this book is a comprehensive, valuable and essential resource for all teachers of primary science.

The Incredible Concepts That Show How Science Works in the World Penguin

Explore the laws and theories of physics in this accessible introduction to the forces that shape our universe, our planet, and our everyday lives. Using a bold, graphics-led approach, The Physics Book sets out more than 80 of the key concepts and discoveries that have defined the subject and influenced our technology since the beginning of time. With the focus firmly on unpacking the thought behind each theory-as well as exploring when and how each idea and breakthrough came about-five themed chapters examine the history and developments in specific areas such as Light, Sound, and Electricity. Eureka moments abound: from Archimedes' bathtub discoveries about displacement and density, and Galileo's experiments with spheres falling from the Tower of Pisa, to Isaac Newton's apple and his conclusions about gravity and the laws of motion. You'll also learn about Albert Einstein's revelations about relativity; how the accidental discovery of cosmic microwave background radiation confirmed the Big Bang theory; the search for the Higgs boson particle; and why most of the universe is missing. If you've ever wondered exactly how physicists formulated-and proved-their abstract concepts, The Physics Book is the book for you. Series Overview: Big Ideas Simply Explained series uses creative design and innovative graphics along with straightforward and engaging writing to make complex subjects easier to understand. With over 7 million copies worldwide sold to date, these award-winning books provide just the information needed for students, families, or anyone interested in concise, thought-provoking refreshers on a single subject.

The Politics Book Routledge

Exploring more than 60 of the most important events in world history, this ebook is the perfect introduction to the past, and ideal for summer reads. From the birth of Athenian democracy to the rise and fall of Rome and from the American Revolution to the landing beaches of World War II, The Little Book of History brings the past to life. Includes infographics and flowcharts that explain

complex concepts in a simple but exciting way, this ebook examines the events that shaped our past. Charting the human era from the beginnings of civilization to the modern culture of today this ebook makes the perfect introduction to the human story. One of a series of new, compact sister titles to DK's "Big Ideas" series, *The Little Book of History* offers you the same combination of clear text and hard-working infographics perfect for vacation reading.

[The ArcGIS Book](#) ESRI Press

Created in partnership with Prentice Hall, *The Big Idea Science Book* is a comprehensive guide to key topics in science, with a unique difference: 200 specially created digital assets that provide the opportunity for hands-on, interactive learning. Everything in this visually rich ebook falls into four major strands: Living Things, Earth Science, Chemistry, and Physics. Within these four strands are 24 sections, fleshing out major scientific concepts in thrilling and innovative ways. For example, drag racing illustrates the idea that net force causes an object's motion to change. But what really sets this book apart are the 200 digital assets specially created by Prentice Hall. Delivered to readers on the internet, these assets include: animated art that brings to life scientific processes, and then tests readers' knowledge with interactive quizzes; real world inquiries that allow readers to make hypotheses and test them by synthesizing data and drawing conclusions; animated images and video clips; and virtual laboratories in which readers can experiment and combine virtual chemicals. The book and the interactive assets together provide a spectacular, cutting-edge learning environment for kids 8 and up.

[The Little Book of History](#) Penguin

All your complicated economic questions and theories explained by world experts. Economics is a broad topic, and your knowledge might be limited if you're not an economist by profession -- until now! *The Economics Book* is your jargon-free, visual guide to understanding the production and distribution of wealth. Using a combination of authoritative, clear text, and bold graphics, this encyclopedia explores and explains big questions and issues that affect us all. Everything from taxation, to recession to the housing market and much more! By following an innovative visual approach, *The Economics Book* demystifies and untangles complicated theories. Make sense of abstract concepts through colorful graphics, fun facts, and step-by-step flow diagrams.

Satisfy Your Hunger for Knowledge Dive deeper into the history of economics with this page-turning book! From the ancient Greeks to today, you'll discover over 100 key ideas from the world's greatest theorists like Thomas Malthus, John Maynard Keynes, and Milton Friedman. Fortunately, you don't need an economics degree to gain this type of understanding. *The Economics Book* is your accessible guide to tons of invaluable economic knowledge and learning how the economy shapes our world! This book will be your guide through the history of economics: - Let the Trading Begin 400 BCE - 1770 CE - The Age of Reason 1770 - 1820 - Industrial and Economic Revolutions 1820 - 1929 - War and Depressions: 1929 - 1945 - Post-War Economics 1945 - 1970 - Contemporary Economics 1970 - Present The Series Simply Explained With over 7 million copies sold worldwide to date, *The Economics Book* is part of the award-winning Big Ideas Simply Explained series from DK Books. It uses innovative graphics along with engaging writing to make complex subjects easier to understand.

Big Ideas Simply Explained Penguin

Discover how humans created their world from the objects they left behind--from the US Constitution to the first iPhone--in DK's latest history book. From the beginning of human history, the one thing that has defined us is our talent for making things, from basic technology and everyday objects, such as bowls and hand axes, to high-tech inventions, such as supersonic aircraft, smart devices, and Mars rovers. Objects speak volumes about a civilization, telling us how our ancestors lived--as well as what they believed in and valued. A bronze cat mummy shows us how highly the ancient Egyptians valued their feline companions, while a mechanical tiger toy tells the story of rising tensions between an Indian sultan and European colonizers. With stunning, exclusive photography, *History of the World in 1000 Objects* shows you the objects that our ancestors treasured--from the jewelry worn by the Mesopotamians to the prized ritual vessels used by the people of the Shang Dynasty--and gives you insight into what gave each culture its own identity. From astrolabes and airplanes to vacuum cleaners and X-rays, DK uses its hallmark visual style to weave the extraordinary legacy of our creativity into a unique view of world history that will change the way you see the objects all around us.

The Science Book Penguin

The Science Book explores how scientists have sought to explain our world and the universe, and how scientific discoveries have been made. A new title in DK's successful "Big Ideas, simply explained" series, this book on science and the history of science looks at topics such as why Copernicus's ideas were contentious, how Galileo worked out his theories on motion and inertia, and what the discovery of DNA meant. *The Science Book* covers every area of science--astronomy, biology, chemistry, geology, math, and physics, and brings the greatest scientific ideas to life with fascinating text, quirky graphics, and pithy quotes.

[Big Ideas Simply Explained](#) Penguin

Stand by for hours of blissful immersion in the world of film - the world's "seventh art". *The Movie Book* is your detailed guide to 100 seismic films, from *Intolerance* (1916) to the groundbreaking *Boyhood* (2014). Part of the Big Ideas series, *The Movie Book* is your perfect companion and reference with infographics to explain swift-moving plots and complicated relationships. It shows *The Godfather's* complicated web of family and associates, for example, and gives minute-by-minute plot lines to iconic movies such as *Taxi Driver* or *Blade Runner*. One film can influence another and this indispensable and crystal clear guide explains what inspired Quentin Tarantino to use a glowing briefcase in *Pulp Fiction*, for example, or how *Jaws* triggered decades of summer action blockbusters. Liberally sprinkled with gorgeous stills, pithy quotes, and trivia detail, *The Movie Book* brings you new insights into your favorites and introduces you to little-known masterpieces from around the world. Series Overview: Big Ideas Simply Explained series uses creative design and innovative graphics along with straightforward and engaging writing to make complex subjects easier to understand. With over 7 million copies worldwide sold to date, these award-winning books provide just the information needed for students, families, or anyone interested in concise, thought-provoking refreshers on a single subject.

[Big Ideas Simply Explained](#) Penguin

An accessible guide to more than 90 of the most important and groundbreaking milestones in the history of medicine, and the people behind them. How are illnesses diagnosed? What is cancer? Why are some pandemics so deadly? This ebook explores big questions like these, explaining the breakthroughs and discoveries that have shaped our modern-day understanding of

medicine and helped us protect and promote our health. Written in plain English, *The Medicine Book* cuts through the jargon and is packed with pithy explanations of the most important milestones in medical history, with step-by-step diagrams and witty illustrations that untangle knotty concepts. From ancient medical practices, such as herbal medications and balancing the humours, through groundbreaking work including Jenner's experiments with cowpox, which laid the basis for vaccination, *The Medicine Book* offers an engaging overview of medical history across the world all the way into the 21st century with gene manipulation, immunotherapy, and robotics and telesurgery. Covering the role that therapies and drugs have played in the human quest to treat and prevent disease, the establishment of hospitals and later international medical bodies, like the WHO, and medical science's response to new challenges, such as accelerated antibiotic resistance and COVID-19, *The Medicine Book* explains the stories behind each milestone development. Continuing the "Big Ideas" series' trademark combination of authoritative, informative text, and bold graphics, *The Medicine Book* uses an innovative visual

approach to make the subject accessible to everyone, whether you're a student of medicine or science, a medical professional, or an armchair expert.

Big Ideas Simply Explained Penguin

#1 NEW YORK TIMES BESTSELLER When and how did the universe begin? Why are we here? What is the nature of reality? Is the apparent "grand design" of our universe evidence of a benevolent creator who set things in motion—or does science offer another explanation? In this startling and lavishly illustrated book, Stephen Hawking and Leonard Mlodinow present the most recent scientific thinking about these and other abiding mysteries of the universe, in nontechnical language marked by brilliance and simplicity. According to quantum theory, the cosmos does not have just a single existence or history. The authors explain that we ourselves are the product of quantum fluctuations in the early universe, and show how quantum theory predicts the "multiverse"—the idea that ours is just one of many universes that appeared spontaneously out of nothing, each with different laws of nature. They conclude with a riveting assessment of M-

theory, an explanation of the laws governing our universe that is currently the only viable candidate for a "theory of everything": the unified theory that Einstein was looking for, which, if confirmed, would represent the ultimate triumph of human reason.

Big Ideas Simply Explained Penguin

Ian Crofton, former editor-in-chief of *The Guinness Encyclopedia*, has written a wide range of other general reference books, including *Philosophy (Teach Yourself Instant Reference)* and *Science Without the Boring Bits*. With *Big Ideas in Brief*, Crofton provides an accessible tour of 200 key concepts that really matter. The ideas covered come from a wide range of subjects--Philosophy, Religion, Politics, Economics, Sociology, Anthropology, Psychology, the Arts, and Science. A series of short, lively articles, accompanied by 100 illustrations, introduces a host of diverse topics, from Existentialism to Expressionism, from Consciousness to Constitutionalism, from Feminism to Free Trade, from Class to Cognitive Theory, from Reincarnation to Relativity—*all explained simply and clearly*. From the Trade Paperback edition.