

## Introducing Stephen Hawking: A Graphic Guide (Introducing )

An introduction to Hawking's work, ranging from Einstein's Theory of Relativity to Black Holes and the Big Bang. Also explains Hawking's research into Quantum Gravity.

"Introducing The Enlightenment" is the essential guide to the giants of the Enlightenment - Voltaire, Diderot, Adam Smith, Samuel Johnson, Immanuel Kant, Benjamin Franklin, and Thomas Jefferson. The Enlightenment of the 18th century was a crucial time in human history - a vast moral, scientific and political movement, the work of intellectuals across Europe and the New World, who began to free themselves from despotism, bigotry and superstition and tried to change the world. "Introducing The Enlightenment" is a clear and accessible introduction to the leading thinkers of the age, the men and women who believed that rational endeavour could reveal the secrets of the universe.

When should you adopt an aggressive business strategy? How do we make decisions when we don't have all the information? What makes international environmental cooperation possible? Game theory is the study of how we make a decision when the outcome of our moves depends on the decisions of someone else. Economists Ivan and Tuvana Pastine explain why, in these situations, we sometimes cooperate, sometimes clash, and sometimes act in a way that seems completely random. Stylishly brought to life by award-winning cartoonist Tom Humberstone, Game Theory will help readers understand behaviour in everything from our social lives to business, global politics to evolutionary biology. It provides a thrilling new perspective on the world we live in.

Christianity depends on the belief that the Jesus of history is identical with the Christ of faith, and that God in the person of Jesus intervened finally and decisively in human history. But is the historical Jesus the same as the Christian Saviour? And how did an obscure provincial religion based on the paradox of a crucified saviour conquer the Roman Empire and outlive it? INTRODUCING JESUS - A GRAPHIC GUIDE confronts the enigmas. It sets Jesus in the perspective of his time - within Judaism and its expectations of a Messiah, in the atmosphere of Greek philosophy and the Roman delification of emperors. It traces the development of Christianity from St. Paul and the Romanization of the Church, to modern liberation theology. This book is a lucid and exciting investigation that will appeal to all readers, whether Christian or not.

The Grand Design

A Biography

Great Theories of Science

Introducing Stephen Hawking

Introducing Jesus

Quantum theory confronts us with bizarre paradoxes which contradict the logic of classical physics. At the subatomic level, one particle seems to know what the others are doing, and according to Heisenberg's "uncertainty principle", there is a limit on how accurately nature can be observed. And yet the theory is amazingly accurate and widely applied, explaining all of chemistry and most of physics. Introducing Quantum Theory takes us on a step-by-step tour with the key figures, including Planck, Einstein, Bohr, Heisenberg and Schrödinger. Each contributed at least one crucial concept to the theory. The puzzle of the wave-particle duality is here, along with descriptions of the two questions raised against Bohr's "Copenhagen Interpretation" - the famous "dead and alive cat" and the EPR paradox. Both remain unresolved.

One of the biggest-selling titles in the Introducing series, J.P. McEvoy and Oscar Zarate's utterly brilliant Introducing Quantum Theory explores one of the most challenging, thrilling and mysterious areas of science. Taking the reader on a step-by-step tour, they tackle the puzzle of the wave-particle duality, Schrödinger's 'dead and alive cat', the EPR paradox and much more, explaining this notoriously difficult theory with patience, wit and clarity. It is now more than a century since Einstein's theories of Special and General Relativity began to revolutionise our view of the universe. Beginning near the speed of light and proceeding to explorations of space-time and curved spaces, Introducing Relativity plots a visually accessible course through the thought experiments that have given shape to contemporary physics. This is a superlative, fascinating graphic account of Einstein's strange world and how his legacy has been built upon since.If a butterfly flaps its wingsin Brazil, does it cause a tornado in Texas? Described as 'a beautifully succinct primer ... most recommended' by Time Out, Ziauddin Sardar and Iwona Abrams' Introducing Chaos attempts to answer bafflingly difficult questions like this. Explaining how chaos makes its presence felt in events from the fluctuation of the animal population to the ups and downs of the stock market, the book offers a uniquely approachable introduction to an astonishing and controversial theory.

What really happens at the most fundamental levels of nature? Introducing Particle Physics explores the very frontiers of our knowledge, even showing how particle physicists are now using theory and experiment to probe our very concept of what is real. From the earliest history of the atomic theory through to supersymmetry, micro-black holes, dark matter, the Higgs boson, and the possibly mythical graviton, practising physicist and CERN contributor Tom Whyntie gives us a mind-expanding tour of cutting-edge science. Featuring brilliant illustrations from Oliver Pugh, Introducing Particle Physics is a unique tour through the most astonishing and challenging science being undertaken today.

A superlative, fascinating graphic account of Albert Einstein's strange world and how his legacy has been built upon since. It is now more than a century since Einstein's theories of Special and General Relativity began to revolutionise our view of the universe. Beginning near the speed of light and proceeding to explorations of space-time and curved spaces, Introducing Relativity plots a visually accessible course through the thought experiments that have given shape to contemporary physics. Scientists from Isaac Newton to Stephen Hawking add their unique contributions to this story, as we encounter Einstein's astounding vision of gravity as the curvature of space-time and arrive at the breathtakingly beautiful field equations. Einstein's legacy is reviewed in the most advanced frontiers of physics today - black holes, gravitational waves, the accelerating universe and string theory.

A Life From Beginning to End

A Briefer History of Time

Introducing Artificial Intelligence

Introducing Game Theory

An Introduction to Black Holes, Information and the String Theory Revolution

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Amusing, irreverent, sophisticated and highly accessible, Einstein for Beginners is the perfect introduction to Einstein's life and thought. Reaching back as far as Babylon (for the origins of mathematics) and the Etruscans (who thought they could handle lightning), this book takes us through the revolutions in electrical communications and technology that made the theory of relativity possible. In the process, we meet scientific luminaries and personalities of imperial Germany, as well as Galileo, Faraday, and Newton; learn why moving clocks run slower than stationary ones, why nothing can go faster than the speed of light; and follow Albert's thought as he works his way toward E = mc2, the most famous equation of the twentieth century.

Readers learn about the renowned British scientist, professor, and bestselling author ("A Brief History of Time") who spent his entire career trying to answer the question: "Where did the universe come from?" Original.

A shorter, more accessible edition of a now-classic survey of the origin and nature of the universe features new full-color illustrations and an expanded, easier to understand treatment of the volume's more important theoretical concepts.

Introducing Logic

From Ancient Babylon to the Big Bang

New Scientist: The Origin of (almost) Everything

A Brief History of the Universe

Great Lives in Graphics Stephen Hawking

Presents an introduction to the key concepts and figures associated with quantum theory.

Meditation, Karma, Zen, Tantric and Nirvana are some of the many Buddhist ideas Westerners hear of frequently, even if their meaning has been lost in translation. This vast and complex non-theistic religion is woven into the fabric of Asian civilisations, from India to the Himalayan regions, China, Vietnam, Korea, Japan and elsewhere. What is Buddhism really all about? Introducing Buddha describes the life and teachings of the Buddha, but it also shows that enlightenment is a matter of experiencing the truth individually, and by inspiration which is passed from teacher to student. Superbly illustrated by Borin Van Loon, the book illuminates this process through a rich legacy of stories, explains the practices of meditation, Taoism and Zen, and goes on to describe the role of Buddhism in modern Asia and its growing influence on Western thought.

Following their New York Times-bestselling graphic novel Feynman, Jim Ottaviani and Leland Myrick deliver a gripping biography of Stephen Hawking, one of the most important scientists of our time. From his early days at the St Albans School and Oxford, Stephen Hawking's brilliance and good humor were obvious to everyone he met. A lively and popular young man, it's no surprise that he would later rise to celebrity status. At twenty-one he was diagnosed with ALS, a degenerative neuromuscular disease. Though the disease weakened his muscles and limited his ability to move and speak, it did nothing to limit his mind. He went on to do groundbreaking work in cosmology and theoretical physics for decades after being told he had only a few years to live. He brought his intimate understanding of the universe to the public in his 1988 bestseller, A Brief History of Time. Soon after, he added pop-culture icon to his accomplishments by playing himself on shows like Star Trek, The Simpsons, and The Big Bang Theory, and becoming an outspoken advocate for disability rights. In Hawking, writer Jim Ottaviani and artist Leland Myrick have crafted an intricate portrait of the great thinker, the public figure, and the man behind both identities.

Stephen Hawking is a world-famous physicist, but few people outside his field know what he has done. To the public he is a figure of tragic dimensions - a brilliant scientist and author of the phenomenal best-seller A Brief History of Time, and yet confined to a wheelchair, unable to speak or write. Hawking has mastered the two great theories of 20th-century physics - Einstein's General Theory of Relativity and Quantum Mechanics - and has made breathtaking discoveries about where they break down or overlap, such as on the edge of a Black Hole or at the Big Bang origin of the Universe. Here is the perfect introduction to Hawking's work by the author, who was helped by several long discussions with Hawking in researching the book.

A Graphic Guide

The True Story of an Odd Couple

Introducing Mathematics

The Dreams That Stuff Is Made Of

Stephen Hawking

**- A unique exposition of the foundations of the quantum theory of black holes including the impact of string theory, the idea of black hole complementarity and the holographic principle bull; Aims to educate the physicist or student of physics who is not an expert on string theory, on the revolution that has grown out of black hole physics and string theory**

**Presents the life and accomplishments of the English scientist, who, despite suffering from Lou Gehrig's disease, has become a renowned cosmologist whose theory of black holes has had a profound influence on the modern study of the universe.**

**New in the Little People, BIG DREAMS series, discover the life of Stephen Hawking, the genius physicist and author. When Stephen Hawking was a little boy, he used to stare up at the stars and wonder about the universe. Although he was never top of the class, his curiosity took him to the best universities in England: Oxford and Cambridge. It also led him to make one of the biggest scientific discoveries of the 20th century: Hawking radiation. This moving book features stylish and quirky illustrations and extra facts at the back, including a biographical timeline with historical photos and a detailed profile of the brilliant physicist's life. Little People, BIG DREAMS is a best-selling series of books and educational games that explore the lives of outstanding people, from designers and artists to scientists and activists. All of them achieved incredible things, yet each began life as a child with a dream. This empowering series offers inspiring messages to children of all ages, in a range of formats. The board books are told in simple sentences, perfect for reading aloud to babies and toddlers. The hardcover versions present expanded stories for beginning readers. Boxed gift sets allow you to collect a selection of the books by theme. Paper dolls, learning cards, matching games, and other fun learning tools provide even more ways to make the lives of these role models accessible to children. Inspire the next generation of outstanding people who will change the world with Little People, BIG DREAMS!**

**Richard Appignanesi goes on a personal quest of Existentialism in its original state. He begins with Camus' question of suicide: 'Must life have a meaning to be lived'? Is absurdity at the heart of Existentialism? Or is Sartre right: is Existentialism 'the least scandalous, most technically austere' of all teachings? This brilliant Graphic Guide explores Existentialism in a unique comic book-style.**

**Brief Answers to the Big Questions**

**Introducing Buddha**

**Introducing the Universe**

**Introducing Fascism**

**The Most Astounding Papers of Quantum Physics--and How They Shook the Scientific World**

From Aristotle to Newton, Einstein and quantum mechanics, this book recounts the revolutions in physics and astronomy that underlie the present-day scientific picture of the Universe.

Logic is the backbone of Western civilization, holding together its systems of philosophy, science and law. Yet despite logic's widely acknowledged importance, it remains an unbroken seal for many, due to its heavy use of jargon and mathematical symbolism.This book follows the historical development of logic, explains the symbols and methods involved and explores the philosophical issues surrounding the topic in an easy-to-follow and friendly manner. It will take you through the influence of logic on scientific method and the various sciences from physics to psychology, and will show you why computers and digital technology are just another case of logic in action.

NATIONAL BESTSELLER Stephen Hawking has dazzled readers worldwide with a string of bestsellers exploring the mysteries of the universe. Now, for the first time, perhaps the most brilliant cosmologist of our age turns his gaze inward for a revealing look at his own life and intellectual evolution. My Brief History recounts Stephen Hawking's improbable journey, from his postwar London boyhood to his years of international acclaim and celebrity. Lavishly illustrated with rarely seen photographs, this concise, witty, and candid account introduces readers to a Hawking rarely glimpsed in previous books: the inquisitive schoolboy whose classmates nicknamed him Einstein; the jokerster who once placed a bet with a colleague over the existence of a particular black hole; and the young husband and father struggling to gain a foothold in the world of physics and cosmology. Writing with characteristic humility and humor, Hawking opens up about the challenges that confronted him following his diagnosis of ALS at age twenty-one. Tracing his development as a thinker, he explains how the prospect of an early death urged him onward through numerous intellectual breakthroughs, and talks about the genesis of his masterpiece A Brief History of Time—one of the iconic books of the twentieth century. Clear-eyed, intimate, and wise, My Brief History opens a window for the rest of us into Hawking's personal cosmos.

What is mathematics, and why is it such a mystery to so many people? Mathematics is the greatest creation of human intelligence. It affects us all. We depend on it in our daily lives, and yet many of the tools of mathematics, such as geometry, algebra and trigonometry, are descended from ancient or non-Western civilizations. Introducing Mathematics traces the story of mathematics from the ancient world to modern times, describing the great discoveries and providing an accessible introduction to such topics as number-systems, geometry and algebra, the calculus, the theory of the infinite, statistical reasoning and chaos theory. It shows how the history of mathematics has seen progress and paradox go hand in hand - and how this is still happening today.

Introducing Slavoj Zizek

Introducing Quantum Theory

Who Was Stephen Hawking?

Introducing Infinity

The Holographic Universe

"God does not play dice with the universe." So said Albert Einstein in response to the first discoveries that launched quantum physics, as they suggested a random universe that seemed to violate the laws of common sense. This 20th-century scientific revolution completely shattered Newtonian laws, inciting a crisis of thought that challenged scientists to think differently about matter and subatomic particles. The Dreams That Stuff Is Made Of compiles the essential works from the scientists who sparked the paradigm shift that changed the face of physics forever, pushing our understanding of the universe on to an entirely new level of comprehension. Gathered in this anthology is the scholarship that shocked and befuddled the scientific world, including works by Niels Bohr, Max Planck, Werner Heisenberg, Max Born, Erwin Schrodinger, J. Robert Oppenheimer, Richard Feynman, as well as an introduction by today's most celebrated scientist, Stephen Hawking.

#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.

Charting his meteoric rise in popularity, Christopher Kul-Want and Piero explore Zizek's timely analyses of today's global crises concerning ecology, mounting poverty, war, civil unrest and revolution. Covering topics from philosophy and ethics, politics and ideology, religion and art, to literature, cinema, corporate marketing, quantum physics and virtual reality, Introducing Slavoj Zizek deftly explains Zizek's virtuoso ability to transform apparently outworn ideologies – Communism, Marxism and psychoanalysis – into a new theory of freedom and enjoyment.

Did Fascism end with the Allied victory over the Axis powers in 1945, or has it been lying dormant and is now re-awakening as we move into the 21st century? Introducing Fascism trace the origins of Fascism in 19th-century traditions of ultra-conservatism, the ideas of Nietzsche, Wagner and other intellectuals which helped to make racist doctrines respectable and which led to the ultimate horrifying 'logic' of the Holocaust. Introducing Fascism investigates the four types of Fascism that emerged after the First World War in Italy, Germany, Spain and Japan. It also looks beyond the current headlines of neo-Nazi hooliganism and examines the increasing political success of the far right in Western Europe and the explosion of ultra-nationalisms in Eastern Europe and the former Soviet Union.

Introducing Particle Physics

The Marmalade Diaries

Introducing the Enlightenment

The Illustrated a Brief History of Time

Introducing Statistics

An illustrated, large-format edition of the best-seller has been expanded to encompass the remarkable advances that have occurred in science and technology over the past eight years, with a new chapter on Wormholes and Time Travel and more than 240 full-color, captioned illustrations, 100,000 first printing.

Since the dawn of humanity, men have attempted to divine the nature of the heavens. The first astronomers mapped the movement of the seasons and used the positions of the constellations for augurs and astrology. Today, the search goes ever deeper into the nature of reality and life itself. In this accessible overview, astrophysicist J.P. McEvoy tells the story of how our knowledge of the cosmos has developed. He puts in context many of the greatest discoveries of all time and many of the dominant personalities: Aristotle, Copernicus, and Isaac Newton, and as we approach the modern era, Einstein, Eddington, and Hawking.

From the medicine we take, the treatments we receive, the aptitude and psychometric tests given by employers, the cars we drive, the clothes we wear to even the beer we drink, statistics have given shape to the world we inhabit. For the media, statistics are routinely 'damning', 'horrifying', or, occasionally, 'encouraging'. Yet, for all their ubiquity, most of us really don't know what to make of statistics. Exploring the history, mathematics, philosophy and practical use of statistics, Eileen Magnello - accompanied by Bill Maybln's intelligent graphic illustration - traces the rise of statistics from the ancient Babylonians, Egyptians and Chinese, to the censuses of Romans and the Greeks, and the modern emergence of the term itself in Europe. She explores the 'vital statistics' of, in particular, William Farr, and the mathematical statistics of Karl Pearson and R.A. Fisher.She even tells how knowledge of statistics can prolong one's life, as it did for evolutionary biologist Stephen Jay Gould, given eight months to live after a cancer diagnoses in 1982 - and he lived until 2002. This title offers an enjoyable, surprise-filled tour through a subject that is both fascinating and crucial to understanding our world.

**Stephen Hawking in 1963, Stephen Hawking was diagnosed with motor neurone disease and given two years to live. More than half a century later, Hawking had made some of the most significant contributions to our understanding of the universe since Albert Einstein. The world's most famous physics professor, a best-selling author, and a father of three, Stephen lived his life to its fullest. Bridging the world of theoretical physics with the reach of pop culture, Stephen Hawking became an emblem of human determination and intellectual curiosity. Inside you will read about...**
  **Early Life and Terminal Illness**
  **Hawking Radiation and Black Holes**
  **The Hawking Family**
  **A Gambling Man**
  **Late Life and Death**
**And much more!**

**Introducing Relativity**

**Einstein for Beginners**

**My Brief History**

**Hawking**

**Introducing Existentialism**

Can machines really think? Is the mind just a complicated computer program? This book focuses on the major issues behind one of the hardest scientific problems ever undertaken, from Alan Turing's influential groundwork to cutting-edge robotics and the new AI.

A graphic introduction to the best-known physicist alive today.

From what actually happened in the Big Bang to the accidental discovery of post-it notes, the history of science is packed with surprising discoveries. Did you know, for instance, that if you were to get too close to a black hole it would suck you up like a noodle (it's called spaghettification), why your keyboard is laid out in QWERTY (it's not to make it easier to type) or why animals never evolved wheels? New Scientist does. And now they and award-winning illustrator Jennifer Daniel want to take you on a colorful, whistle-stop journey from the start of our universe (through the history of stars, galaxies, meteorites, the Moon and dark energy) to our planet (through oceans and weather and oil) and life (through dinosaurs to emotions and sex) to civilization (from cities to alcohol and cooking), knowledge (from alphabets to alchemy) ending up with technology (computers to rocket science). Witty essays explore the concepts alongside enlightening infographics that zoom from how many people have ever lived, to showing you how a left-wing brain differs from a right-wing one...

'An ideal introduction [to Stephen Hawking]' - Independent 'Astomisingly comprehensive - clearer than Hawking himself' - Focus Stephen Hawking was a world-famous physicist with a cameo in The Simpsons on his CV, but outside of his academic field his work was little understood. To the public he was a tragic figure - a brilliant scientist and author of the 9 million-copy-selling A Brief History of Time, and yet spent the majority of his life confined to a wheelchair and almost completely paralysed. Hawking's major contribution to science was to integrate the two great theories of 20th-century physics: Einstein's General Theory of Relativity and Quantum Mechanics. J.P. McEvoy and Oscar Zarate's brilliant graphic guide explores Hawking's life, the evolution of his work from his days as a student, and his breathtaking discoveries about where these fundamental laws break down or overlap, such as on the edge of a Black Hole or at the origin of the Universe itself.

Black Holes: The Reith Lectures
Infinity is a profoundly counter-intuitive and brain-twisting subject that has inspired some great thinkers - and provoked and shocked others. The ancient Greeks were so horrified by the implications of an endless number that they drowned the man who gave away the secret. And a German mathematician was driven mad by the repercussions of his discovery of transfinite numbers. Brian Clegg and Oliver Pugh's brilliant graphic tour of infinity features a cast of characters ranging from Archimedes and Pythagoras to al-Khwarizmi, Fibonacci, Galileo, Newton, Leibniz and mathematics. Prepare to enter a world of paradox.

"It is said that fact is sometimes stranger than fiction, and nowhere is that more true than in the case of black holes. Black holes are stranger than anything dreamed up by science fiction writers." In 2016 Professor Stephen Hawking delivered the BBC Reith Lectures on a subject that fascinated him for decades - black holes. In these flagship lectures the legendary physicist argued that if we could only understand black holes and how they challenge the very nature of space and time, we could unlock the secrets of the universe.

'Charming, touching and very very funny' Jenny Colgan 'Simply too good' Daily Mail From the author of the acclaimed THE GRAN TOUR ONE HOUSE, TWO HOUSEMATES, THREE REASONS TO WORRY: WINNIE AND BEN ARE SEPARATED BY 50 YEARS, A GULF IN CLASS, AND MAJOR DIFFERENCES OF OPINION. When hunting for a room in London, Ben Aitken came across one for a great price in a lovely part of town. There had to be a catch. And there was. The catch was Winnie: an 85-year-old widow who doesn't suffer fools. Full of warmth, wit and candour, The Marmalade Imagine an intergenerational version of Big Brother, but with only two contestants. One of the pair a grieving and inflexible former aristocrat in her mid-eighties. The other a working-class millennial snowflake. What could possibly go wrong? What could possibly go right? Out of the most inauspicious of soils - and from the author of The Gran Tour - comes a book about grief, family, friendship, loneliness, life, love, lockdown and marmalade.