

Read Book Introducing Stephen Hawking A Graphic Guide Pdf For Free

Introducing Stephen Hawking Hawking Introducing Stephen Hawking Great Lives in Graphics Stephen Hawking Great Lives in Graphics: Stephen Hawking Introducing Stephen Hawking Relativity Now George and the Big Bang More Great Theories of Science Stephen Hawking The Grand Design Feynman Stephen Hawking Stephen Hawking Introducing Game Theory The Illustrated Brief History of Time Stephen Hawking mate sat Stephen Hawking: Extraordinary Theoretical Physicist Introducing Relativity Hawking Hawking The Theory Of Everything The Universe in a Nutshell Archimedes to Hawking Stephen Hawking A Briefer History of Time Great Lives in Graphics Martin Luther King Introducing Quantum Theory Hawking on the Big Bang and Black Holes Stephen Hawking Hawking The Stephen Hawking Story Stay Curious! Who Was Stephen Hawking? The Nature of Space and Time The Grand Design Cosmos Stephen Hawking His Life and Legacy Great Theories of Science Stephen Hawking Orbit: Stephen Hawking: Riddles of Time & Space

Stephen Hawking is among one of the most inspiring persons of our time. His work in the general theory of relativity and quantum mechanics has been significant. This title includes primary sources, sidebars, prompts and activities, charts and graphs, and much more. Aligned to Common Core standards and correlated to

state standards. Core Library is an imprint of Abdo Publishing, a division of ABDO. 'An ideal introduction [to Stephen Hawking]' - Independent 'Astonishingly 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.

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.

Stephen Hawking is one of the most brilliant minds of this century. StormFront Productions is bringing you his life story in this unique comic book format. Find out all about the man the myth and the legend! Jim Ottaviani e Leland Myrick ci avevano già dato la biografia a fumetti di Richard Feynman, e ora si cimentano con la vita di Stephen Hawking. Il celebre fisico, matematico e cosmologo britannico, che ha consacrato la vita allo studio dell'origine dell'universo e alla natura dei buchi neri, è mancato nel marzo del 2018, ed è stato un divulgatore così importante che si tende a ignorarne la biografia, a favore delle sue opere e scoperte. Questo libro, rigorosissimo e pieno di informazioni scientifiche, è anche uno passionato atto d'amore nei confronti di una delle menti più autorevoli del Ventesimo secolo, ed è uno sguardo illuminante sul mondo della ricerca, tra l'immensamente piccolo e l'immensamente grande. Un libro davvero importante, che sarà capace di arricchire chiunque lo legga. Hawking's major contribution to science has been to integrate the two great theories of 20th-century physics - Einstein's General Theory of Relativity and Quantum Mechanics. J.P. McEvoy'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. Stephen Hawking was one of the world's most celebrated and inspiring physicists, known for his theories on relativity, black holes, and quantum mechanics. He wrote the bestseller *A Brief History of Time* to explain a range of cosmology topics to the general public. Stephen Hawking, the Lucasian Professor of Mathematics at Cambridge University, has

made important theoretical contributions to gravitational theory and has played a major role in the development of cosmology and black hole physics. Hawking's early work, partly in collaboration with Roger Penrose, showed the significance of spacetime singularities for the big bang and black holes. His later work has been concerned with a deeper understanding of these two issues. The work required extensive use of the two great intellectual achievements of the first half of the Twentieth Century: general relativity and quantum mechanics; and these are reflected in the reprinted articles. Hawking's key contributions on black hole radiation and the no-boundary condition on the origin of the universe are included. The present compilation of Stephen Hawking's most important work also includes an introduction by him, which guides the reader through the major highlights of the volume. This volume is thus an essential item in any library and will be an important reference source for those interested in theoretical physics and applied mathematics. It is an excellent thing to have so many of Professor Hawking's most important contributions to the theory of black holes and space-time singularities all collected together in one handy volume. I am very glad to have them". Roger Penrose (Oxford) "This was an excellent idea to put the best papers by Stephen Hawking together. Even his papers written many years ago remain extremely useful for those who study classical and quantum gravity. By watching the evolution of his ideas one can get a very clear picture of the development of quantum cosmology during the last quarter of this century". Andrei Linde (Stanford) "This review could have been quite short: 'The book contains a selection of 21 of Stephen Hawking's most significant papers with

an overview written by the author'. This w Physicist Stephen Hawking was a scientist for the modern age. He is as renowned for his theories on time and space as he is for his unique life story. Undeterred by a debilitating illness, he trained his mind to work in a new way to become the leading light in modern science. This carefully researched biography tells Hawking's story, highlighting his scientific breakthroughs and how, despite his struggle with a degenerative condition, he became the most celebrated and inspiring scientist of his generation. A beautiful design includes striking photographs, illuminating documents, and helpful sidebars that cast light on Hawking's intellectual achievements. Presents in graphic novel format the childhood and early career of Stephen Hawking and describes how his perserverance helped him succeed both personally and professionally. Kristine Larsen, a physicist and astronomer, presents a candid and insightful portrait of Hawking's personal and professional life. --from publisher description. 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 Schrodinger. 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. A Gripping Account Of A Physicist Whose Speculations Could Prove As Revolutionary As Those Of Albert Einstein... It Can Be Consulted As A Clear And Authoritative Guide Through Three Decades Of Hawking S Central Contributions To Cosmology. - Bernard Dixon In The New Statesman & Society Excellent... From The Opening Pages, Which Relate The Occasion When Shirley Maclaine Sought An Audience With Her Hero In A Cambridge Restaurant, To The Final Chapter On Hollywood, Fame And Fortune , The Book Is Well-Nigh Unputdownable... [It] Ought To Be Read Alongside A Brief History Of Time As A Kind Of Explanatory Supplement. - Heather Cooper In The Times Educational Supplement Fascinating... What Makes This Book So Rewarding Is The Way That The Authors Have Blended Their Account Of Hawking S Science With That Of His Life, Giving A Picture Of A Remarkable Scientist As A Remarkable Person. - Tony Osman In The Spectator It S Compulsive Reading, Maybe Because Hawking Towers Above It All, A Complex And Fascinating Character Who Remains Strangely Elusive: Boyish Yet Indomitable, Stubborn Yet Charming, A Private Man Revelling In Fame. - Clare Francis In The Sunday Express [Their Book] Conveys How Scientific Research Is Not Just A Dry Intellectual Pursuit But An Adventure Full Of Joy, Despair And Humour, And Fraught With The Sort Of Inter-Personal Problems And Rivalries Which Mark All Human Endeavours. - Bernard Carr In The Independent On Sunday Few Scientists Become Legends In Their Own Lifetime. Stephen Hawking Is One. It Is Good To Have This Well-Documented And Immensely Readable

Biography To Remind Us That The Media-Hyped Mute Genius In The Wheelchair Is In Fact A Sensitive, Humorous, Ambitious And Occasionally Wilful Human Being. - Paul Davies In The Times Higher Education Supplement 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. Stephen Hawking's phenomenal, multimillion-copy bestseller, *A Brief History of Time*, introduced the ideas of this brilliant theoretical physicist to readers all over the world. Now, in a major publishing event, Hawking returns with a lavishly illustrated sequel that unravels the mysteries of the major breakthroughs that have occurred in the years since the release of his acclaimed first book. *The Universe in a Nutshell* □ Quantum mechanics □ M-theory □ General relativity □ 11-dimensional supergravity □ 10-dimensional membranes □ Superstrings □ P-branes □ Black holes One of the most influential thinkers of our time, Stephen Hawking is an intellectual icon, known not only for the adventurousness of his

ideas but for the clarity and wit with which he expresses them. In this new book Hawking takes us to the cutting edge of theoretical physics, where truth is often stranger than fiction, to explain in laymen's terms the principles that control our universe. Like many in the community of theoretical physicists, Professor Hawking is seeking to uncover the grail of science — the elusive Theory of Everything that lies at the heart of the cosmos. In his accessible and often playful style, he guides us on his search to uncover the secrets of the universe — from supergravity to supersymmetry, from quantum theory to M-theory, from holography to duality. He takes us to the wild frontiers of science, where superstring theory and p-branes may hold the final clue to the puzzle. And he lets us behind the scenes of one of his most exciting intellectual adventures as he seeks — to combine Einstein's General Theory of Relativity and Richard Feynman's idea of multiple histories into one complete unified theory that will describe everything that happens in the universe. With characteristic exuberance, Professor Hawking invites us to be fellow travelers on this extraordinary voyage through space-time. Copious four-color illustrations help clarify this journey into a surreal wonderland where particles, sheets, and strings move in eleven dimensions; where black holes evaporate and disappear, taking their secret with them; and where the original cosmic seed from which our own universe sprang was a tiny nut. *The Universe in a Nutshell* is essential reading for all of us who want to understand the universe in which we live. Like its companion volume, *A Brief History of Time*, it conveys the excitement felt within the scientific community as the secrets of the cosmos reveal themselves. *Great Lives in Graphics* reimagines the lives of

extraordinary people in vivid technicolor, presenting 250+ fascinating facts in a new and exciting way. You may already know that Stephen Hawking was a scientist, but did you know he kept bees in his basement as a little boy? Or that he ran over Prince Charles's toes with his wheelchair? This graphic retelling of Stephen's story gives children a colourful snapshot of his life and the world he grew up in, while educating them on everything from black holes to the big bang. Learn more about the renowned British scientist, professor, and author who spent his entire career trying to answer the question: "Where did the universe come from?" Stephen Hawking was born exactly three hundred years after the death of the scientist Galileo, so maybe it was written in the stars that he would become a famous scientist in his own right. Although he was diagnosed with a neurological disease at age 21, Stephen did not let the illness define his life. Known for his groundbreaking work in physics, and identified by his wheelchair and computerized voice system, Stephen continued his research until his death in 2018. He is best known for his black hole theories and his best-selling book *A Brief History of Time*. Stephen Hawking is an example of a person who had a great mind, but an even greater spirit. *Introducing Stephen Hawking* is a brilliantly conceived introduction to Hawking's work, ranging from Einstein's Theory of Relativity to Black Holes and the Big Bang. It also explains Hawking's research into Quantum Gravity, which could emerge as a Theory of Everything. Richard Feynman: physicist . . . Nobel winner . . . bestselling author . . . safe-cracker. In this substantial graphic novel biography, *First Second* presents the larger-than-life exploits of Nobel-winning quantum physicist, adventurer, musician, world-class raconteur,

and one of the greatest minds of the twentieth century: Richard Feynman. Written by nonfiction comics mainstay Jim Ottaviani and brilliantly illustrated by First Second author Leland Myrick, Feynman tells the story of the great man's life from his childhood in Long Island to his work on the Manhattan Project and the Challenger disaster. Ottaviani tackles the bad with the good, leaving the reader delighted by Feynman's exuberant life and staggered at the loss humanity suffered with his death. Anyone who ever wanted to know more about Richard P. Feynman, quantum electrodynamics, the fine art of the bongo drums, the outrageously obscure nation of Tuva, or the development and popularization of the field of physics in the United States need look no further than this rich and joyful work. One of School Library Journal's Best Adult Books 4 Teens titles of 2011 One of Horn Book's Best Nonfiction Books of 2011 Cosmos is organized thematically so that the reader can navigate between the stunning images of different phenomena, which are grouped into nebulas, stars, the sun, the planets, satellites, galaxies, and the origins of the universe - containing entries ranging from an asteroid to a white dwarf. Each entry is given a double-page spread or more for maximum visibility and understanding. To help us marvel more at the grandeur of these images significant facts, including the name of the space probe or telescope that captured each image and the distance of the space phenomenon from Earth, are provided in data boxes. In addition, a section at the back of the book is devoted to the spacecraft the pictures were taken by, covering their purpose, who built them, where they have travelled and what they have discovered. With an introduction by Professor Stephen Hawkins and some of the most astonishing pictures of our

universe, this is really a book for anyone who has looked up into the night sky with wonder and awe. #1 NEW YORK TIMES BESTSELLING AUTHORS The science classic made more accessible • More concise • Illustrated FROM ONE OF THE MOST BRILLIANT MINDS OF OUR TIME COMES A BOOK THAT CLARIFIES HIS MOST IMPORTANT IDEAS Stephen Hawking's worldwide bestseller A Brief History of Time remains a landmark volume in scientific writing. But for years readers have asked for a more accessible formulation of its key concepts—the nature of space and time, the role of God in creation, and the history and future of the universe. A Briefer History of Time is Professor Hawking's response. Although "briefer," this book is much more than a mere explanation of Hawking's earlier work. A Briefer History of Time both clarifies and expands on the great subjects of the original, and records the latest developments in the field—from string theory to the search for a unified theory of all the forces of physics. Thirty-seven full-color illustrations enhance the text and make A Briefer History of Time an exhilarating and must-have addition in its own right to the great literature of science and ideas. Presents a series of lectures delivered in 1994 by Hawking and Penrose, renowned professors at Cambridge and Oxford, respectively, on the general topic of how mathematical physics might best represent the realities of the universe. A picture-book biography about science superstar Stephen Hawking, whose visionary mind revolutionized our concept of reality and whose struggle with ALS inspired millions. Perfect for parents and teachers looking to instill curiosity and a love for STEM. As a young boy, Stephen Hawking loved to read, stargaze, and figure out how things worked. He looked at the

world and always asked, Why? He never lost that curiosity, which led him to make groundbreaking discoveries about the universe as a young man. Even being diagnosed with ALS didn't slow Stephen down. Those questions kept coming. As his body weakened, Stephen's mind expanded--allowing him to unlock secrets of the universe and become one of the most famous scientists of all time. Stephen always approached life with courage, a sense of humor, and endless curiosity. His story will encourage readers to look at the world around them with new eyes. Using comic-book style illustration combined with accessible but authoritative text, the Introducing Graphic Guide series is a uniquely brilliant way to get your head around some of humankind's most thrilling ideas.

Infinity is a profoundly counter-intuitive and brain-twisting subject that has inspired some great thinkers - and provoked and shocked others. Introducing Infinity: A Graphic Guide is a brilliant graphic tour of infinity features a cast of characters ranging from Archimedes and Pythagoras to al-Khwarizmi, Fibonacci, Galileo, Newton, Leibniz, Cantor, Venn, Gödel and Mandelbrot, and shows how infinity has challenged the finest minds of science and mathematics. Introducing

Consciousness presents the history of the philosophical relation between mind and matter, and covers the scientific attempts to explain consciousness in terms of neural mechanisms, cerebral computation and quantum mechanics. It also introduces readers to zombies, ghosts in machines and Schrodinger's cat. Stephen Hawking is the world-famous physicist; to the public he is a tragic figure - a brilliant scientist and author of the 9 million-copy-selling 'A Brief History of Time', and yet confined to a wheelchair and almost completely paralysed. Introducing Stephen Hawking:

A Graphic Guide guide explores his life, and the evolution of his work from his days as a student. How Stephen Hawking became the most brilliant man alive When Stephen Hawking died, he was widely recognized as the world's best physicist, and even its smartest person. He was neither. In *Hawking Hawking*, science journalist Charles Seife explores how Stephen Hawking came to be thought of as humanity's greatest genius. Hawking spent his career grappling with deep questions in physics, but his renown didn't rest on his science. He was a master of self-promotion, hosting parties for time travelers, declaring victory over problems he had not solved, and wooing billionaires. Confined to a wheelchair and physically dependent on a cadre of devotees, Hawking still managed to captivate the people around him-and use them for his own purposes. A brilliant exposé and powerful biography, *Hawking Hawking* uncovers the authentic Hawking buried underneath the fake. It is the story of a man whose brilliance in physics was matched by his genius for building his own myth. In *Relativity Now: A Graphic Guide to Einstein's Theories*, readers gain insight into the nature of time, gravity, light, and the very fabric of our universe. Along the way, cartoon canines demonstrate the theories of Special and General Relativity visually. Like a cross between a Stephen Hawking book and a collection of *NEW YORKER* (TM) cartoons, *Relativity Now: A Graphic Guide to Einstein's Theories* has been described as "brilliant, unprecedented, and mind-blowing!" Specifications: 156 pages, full-color. Intended Audience/Other Editions: This edition has been designed for "grown-ups." (We have separate editions, especially for teens/tweens and "relatively small people," ages 5-7.) (THE NEW YORKER is a trademark of

Advance Magazine Publishers Inc.) 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. Themes: History, STEM, Stephen Hawking, Nonfiction, Tween, Chapter Book, Hi-Lo, Hi-Lo Books, Hi-Lo Solutions, High-Low Books, Hi-Low Books, ELL, EL, ESL, Struggling Learner, Struggling Reader, Special Education, SPED, Newcomers, Reading, Learning, Education, Educational, Educational Books. Stephen Hawking was one of the brightest minds of our time. A physicist and a lifelong learner, Hawking overcame serious obstacles and made discoveries that changed the world of science. Hawking was diagnosed with a terminal illness

at an early age, but beat the odds time and again. Through humor, he helped make science more accessible to millions of people. This is his story. Take a look inside *White Lightning Nonfiction*, a hi-lo nonfiction series for students in the middle grades. Mature, high-interest topics pull in readers and engage them with interesting information; full-color photographs and illustrations; detailed graphic elements including charts, tables, and infographics; and fascinating facts. A 20-word glossary is included for vocabulary support. An updated, expanded and illustrated edition of Stephen Hawking's classic work, which includes the most recent developments in the field, many of which were forecast by him. In this edition, Professor Hawking explains his complex theories through a fresh visual dimension. Over one hundred and fifty stunning colour illustrations have been specially commissioned for this purpose to help the reader understand what have become popular mythic images of our century, but which nonetheless remain difficult, abstract ideas to grasp. Stephen Hawking was one of the greatest minds of our time. His theories about the universe have changed the way we think about black holes and the Big Bang. Learn more about the physicist on wheels who traveled the world. **#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. Explore how the universe began—and thwart evil along the way—in this cosmic adventure from Stephen and Lucy Hawking that includes a graphic novel. George has problems. He has twin baby sisters at home who demand his parents' attention. His beloved pig Freddy has been exiled to a farm, where he's miserable. And worst of all, his best friend, Annie, has made a new friend whom she seems to like more than George. So George jumps at the chance to help Eric with his plans to run a big experiment in Switzerland that seeks to explore the earliest moment of the universe. But there is a conspiracy afoot, and a group of evildoers is planning to sabotage the experiment. Can George repair his friendship with Annie and piece together the clues before Eric's experiment is destroyed forever? This engaging adventure features essays by Professor Stephen Hawking and other eminent physicists about the origins of the universe and ends with a twenty-page graphic novel that explains how the Big Bang happened—in reverse!

Stephen Hawking is widely believed to be one of the world's greatest minds: a brilliant theoretical physicist whose work helped

to reconfigure models of the universe and to redefine what's in it. Imagine sitting in a room listening to Hawking discuss these achievements and place them in historical context. It would be like hearing Christopher Columbus on the New World. Hawking presents a series of seven lectures—covering everything from big bang to black holes to string theory—that capture not only the brilliance of Hawking's mind but his characteristic wit as well. Of his research on black holes, which absorbed him for more than a decade, he says, "It might seem a bit like looking for a black cat in a coal cellar." Hawking begins with a history of ideas about the universe, from Aristotle's determination that the Earth is round to Hubble's discovery, over 2000 years later, that the universe is expanding. Using that as a launching pad, he explores the reaches of modern physics, including theories on the origin of the universe (e.g., the big bang), the nature of black holes, and space-time. Archimedes to Hawking takes the reader on a journey across the centuries as it explores the eponymous physical laws—from Archimedes' Law of Buoyancy and Kepler's Laws of Planetary Motion to Heisenberg's Uncertainty Principle and Hubble's Law of Cosmic Expansion—whose ramifications have profoundly altered our everyday lives and our understanding of the universe. Throughout this fascinating book, Clifford Pickover invites us to share in the amazing adventures of brilliant, quirky, and passionate people after whom these laws are named. These lawgivers turn out to be a fascinating, diverse, and sometimes eccentric group of people. Many were extremely versatile polymaths—human dynamos with a seemingly infinite supply of curiosity and energy and who worked in many different areas in science. Others had non-conventional educations and displayed

their unusual talents from an early age. Some experienced resistance to their ideas, causing significant personal anguish. Pickover examines more than 40 great laws, providing brief and cogent introductions to the science behind the laws as well as engaging biographies of such scientists as Newton, Faraday, Ohm, Curie, and Planck. Throughout, he includes fascinating, little-known tidbits relating to the law or lawgiver, and he provides cross-references to other laws or equations mentioned in the book. For several entries, he includes simple numerical examples and solved problems so that readers can have a hands-on understanding of the application of the law. A sweeping survey of scientific discovery as well as an intriguing portrait gallery of some of the greatest minds in history, this superb volume will engage everyone interested in science and the physical world or in the dazzling creativity of these brilliant thinkers. 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 wings in 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.

Relativity physics. An intimate and inspirational exploration of Stephen Hawking--the man, the friend, and the physicist. Stephen Hawking was one of the most famous and influential physicists in the world. He left a mark in our culture that touched the lives of millions. His books have inspired countless scientists-to-be, and his research on the laws of black holes and the origin of the universe charted new territory.

Recalling his nearly two-decades as a friend and collaborator with Stephen Hawking, Leonard Mlodinow brings a complex man into focus like no one has before. He introduces us to Hawking the colleague, for whom no detail is too minor to get right, a challenge for a man who could only type one word per minute. We meet Hawking the friend, who creates such strong connections with those around him that he can communicate powerfully with just the raise of an eyebrow. We witness Hawking the genius, who, against all odds, flourishes after he is diagnosed with ALS and pours his mind into uncovering the mysteries of the universe. Brilliant, impish, and kind, Hawking endeared himself to almost everyone he came into contact with. This beautiful portrait is inspirational and is sure to stick with you

long after you've read it.

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