

Einstein His Life And Universe

NOW A MAJOR SERIES 'GENIUS' ON NATIONAL GEOGRAPHIC, PRODUCED BY RON HOWARD AND STARRING GEOFFREY RUSH Einstein is the great icon of our age: the kindly refugee from oppression whose wild halo of hair, twinkling eyes, engaging humanity and extraordinary brilliance made his face a symbol and his name a synonym for genius. He was a rebel and nonconformist from boyhood days. His character, creativity and imagination were related, and they drove both his life and his science. In this marvellously clear and accessible narrative, Walter Isaacson explains how his mind worked and the mysteries of the universe that he discovered. Einstein's success came from questioning conventional wisdom and marvelling at mysteries that struck others as mundane. This led him to embrace a worldview based on respect for free spirits and free individuals. All of which helped make Einstein into a rebel but with a reverence for the harmony of nature, one with just the right blend of imagination and wisdom to transform our understanding of the universe. This new biography, the first since all of Einstein's papers have become available, is the fullest picture yet of one of the key figures of the twentieth century. This is the first full biography of Albert Einstein since all of his papers have become available -- a fully realised portrait of this extraordinary human being, and great genius. Praise for EINSTEIN by Walter Isaacson:- 'YOU REALLY MUST READ THIS.' Sunday Times 'As pithy as Einstein himself. ' New Scientist ' [A] brilliant biography, rich with newly available archival material. ' Literary Review ' Beautifully written, it renders the physics understandable. ' Sunday Telegraph ' Isaacson is excellent at explaining the science. ' Daily Express

Einstein: The First Hundred Years presents the great contribution of Albert Einstein to the development of science. This book discusses the significant role of Einstein's existence as a scientist who turned out to be a great public figure that changed the society's consciousness of science for good. Organized into five parts encompassing 17 chapters, this book begins with an overview of Albert Einstein's achievement as the greatest theoretical physicist of his age and he was universally recognized at 37. This text then provides Einstein's major contribution to the special and general theories of relativity. Other chapters consider Einstein's work on the development of quantum theory for which he received the Nobel Prize in 1921. This book discusses as well Brownian movement and statistical theories by Einstein. The final chapter deals with the increasing widespread interest in Einstein's work. This book is a valuable resource for scientists, physicists, teachers, and students.

In the ongoing debate about evolution, science and faith face off. But the truth is both sides are right and wrong. In one corner: Atheists like Richard Dawkins, Daniel Dennett, and Jerry Coyne. They insist evolution happens by blind random accident. Their devout adherence to Neo-Darwinism omits the latest science, glossing over crucial questions and fascinating details. In the other corner: Intelligent Design advocates like William Dembski, Stephen Meyer, and Michael Behe. Many defy scientific consensus, maintaining that evolution is a fraud and rejecting common ancestry outright. There is a third way. Evolution 2.0 proves that, while evolution is not a hoax, neither is it random nor accidental. Changes are targeted, adaptive, and aware. You'll discover: How organisms re-engineer their genetic destiny in real time Amazing systems living things use to re-design themselves Every cell is armed with machinery for editing its own DNA The five amazing tools organisms use to alter their genetics 70 years of scientific discoveries—of which the public has heard virtually nothing! Perry Marshall approached evolution with skepticism for religious reasons. As an engineer, he rejected the concept of organisms randomly evolving. But an epiphany—that DNA is code, much like data in our digital age—sparked a 10-year journey of in-depth research into more than 70 years of under-reported evolutionary science. This led to a new understanding of evolution—an evolution 2.0 that not only furthers technology and medicine, but fuels our sense of wonder at life itself. This book will open your eyes and transform your thinking about evolution and God. You'll gain a deeper appreciation for our place in the universe. You'll see the world around you as you've never seen it before. Evolution 2.0 pinpoints the central mystery of biology, offering a multimillion dollar technology prize at naturalcode.org to the first person who can solve it.

The world's #1 bestselling author has teamed up with the world's most famous genius to entertain, educate and inspire a generation of kids--with the first and only kids' book series officially approved by the Albert Einstein Archives. Albert Einstein + James Patterson = A Must Read! Max is back with a thrilling new adventure that involves time travel, creepy bad guys, killer drones, and a shocking mystery about her past that she will stop at nothing to solve! Under constant danger of being kidnapped by the shadowy Corporation, Max is on the run from New York to London and beyond. But soon the call comes for the Change Maker kids' next mission: make sure no kid ever goes hungry again! If anyone can tackle a problem this big, Max and her genius friends can. But mysterious clues about her past keep distracting Max's focus. She always wanted to know who her parents were and why they abandoned her as a baby. If she manages to build a time machine, she could find them and get all the answers! What's more important - her past, or the future of the Change Makers?

Einstein: The First Hundred Years

A Black Hole is Not a Hole

The Rebellion Against Science at the End of the Twentieth Century

Evolution 2.0

Subtle is the Lord

The Scientist, Philosopher, and Man Portrayed Through His Own Words

Subtle is the Lord is widely recognized as the definitive scientific biography of Albert Einstein. The late Abraham Pais was a distinguished physicist turned historian who knew Einstein both professionally and personally in the last years of his life. His biography combines a profound understanding of Einstein's work with personal recollections from their years of acquaintance, illuminating the man through the development of his scientific thought.Pais examines the formulation of Einstein's theories of relativity, his work on Brownian motion, and his response to quantum theory with authority and precision. The profound transformation Einstein's ideas effected on the physics of the turn of the century is here laid out for the serious reader. Pais also fills many gaps in what we know of Einstein's life - his interest in philosophy, his concern with Jewish destiny, and his opinions of great figures from Newton to Freud. This remarkablevolume, written by a physicist who mingled in Einstein's scientific circle, forms a timeless and classic biography of the towering figure of twentieth-century science.

Albert Einstein's theory of general relativity describes the effect of gravitation on the shape of space and the flow of time. But for more than four decades after its publication, the theory remained largely a curiosity for scientists; however accurate it seemed, Einstein's mathematical code—represented by six interlocking equations—was one of the most difficult to crack in all of science. That is, until a twenty-nine-year-old Cambridge graduate solved the great riddle in 1963. Roy Kerr's solution emerged coincidentally with the discovery of black holes that same year and provided fertile testing ground—at long last—for general relativity. Today, scientists routinely cite the Kerr solution, but even among specialists, few know the story of how Kerr cracked Einstein's code. Fulvio Melia here offers an eyewitness account of the events leading up to Kerr's great discovery. Cracking the Einstein Code vividly describes how luminaries such as Karl Schwarzschild, David Hilbert, and Emmy Noether set the stage for the Kerr solution; how Kerr came to make his breakthrough; and how scientists such as Roger Penrose, Kip Thorne, and Stephen Hawking used the accomplishment to refine and expand modern astronomy and physics. Today more than 300 million supermassive black holes are suspected of anchoring their host galaxies across the cosmos, and the Kerr solution is what astronomers and astrophysicists use to describe much of their behavior. By unmasking the history behind the search for a real world solution to Einstein's field equations, Melia offers a first-hand account of an important but untold story. Sometimes dramatic, often exhilarating, but always attuned to the human element, Cracking the Einstein Code is ultimately a showcase of how important science gets done.

Presents a biography of the renowned physicist whose revolutionary theories about space, time, and gravitation transformed our understanding about how the universe works.

What are the roots of creativity? What makes for great leadership? How do influential people end up rippling the surface of history? In this collection of essays, Walter Isaacson reflects on the lessons to be learned from Benjamin Franklin, Albert Einstein, Bill Gates, Henry Kissinger, Ronald Reagan and Mikhail Gorbachev, Hillary Clinton and Bill Clinton, and various other interesting characters he has chronicled as a biographer and journalist. The people he writes about have an awesome intelligence, in most cases, but that is not the secret of their success. They had qualities that were even more rare, such as imagination and true curiosity. Isaacson reflects on how he became a writer, the lessons he learned from various people he met, and the challenges he sees for journalism in the digital age. He also offers loving tributes to his hometown of New Orleans, which both before and after Hurricane Katrina offered many of the ingredients for a creative culture, and to the Louisiana novelist Walker Percy, who was an early mentor. In an anecdotal and personal way, Isaacson describes the joys of the "so-called writing life" and the way that tales about the lives of fascinating people can enlighten our own lives.

Brilliant Blunders

Six Friends and the World They Made

Steve Jobs

Einstein, Picasso

Benjamin Franklin, Einstein, Steve Jobs, and Leonardo da Vinci

The Encyclopaedia Britannica

A captivating blend of personal biography and public drama, The Wise Men introduces the original best and brightest, leaders whose outsized personalities and actions brought order to postwar chaos: Averell Harriman, the freewheeling diplomat and Roosevelt's special envoy to Churchill and Stalin; Dean Acheson, the secretary of state who was more responsible for the Truman Doctrine than Truman and for the Marshall Plan than General Marshall; George Kennan, self-cast outsider and intellectual darling of the Washington elite; Robert Lovett, assistant secretary of war, undersecretary of state, and secretary of defense throughout the formative years of the Cold War; John McCloy, one of the nation's most influential private citizens; and Charles Bohlen, adroit diplomat and ambassador to the Soviet Union.

We all make mistakes. Nobody is perfect. And that includes five of the greatest scientists in history -- Charles Darwin, William Thomson (Lord Kelvin), Linus Pauling, Fred Hoyle, Albert Einstein. But the mistakes that these great scientists made helped science to advance. Indeed, as Mario Livio explains in this fascinating book, science thrives on error; it advances when erroneous ideas are disproven. All five scientists were great geniuses and fascinating human beings. Their blunders were part of their genius and part of the scientific process. Livio brilliantly analyses their errors to show where they were wrong and right, but what makes his book so enjoyable to read is Livio's analysis of the psychology of these towering figures. Along the way the reader learns an enormous amount about the evolution of life on earth and in the universe, but from an unusual vantage point -- the mistakes of great scientists rather than the achievements that made them famous.

A narrative portrait based on the complete body of Einstein's papers offers insight into his contributions to science, in an account that describes the influence of his discoveries on his personal views about morality, politics, and tolerance.

Written over a period of more than two decades, Colour Matters is a collection of essays that shows how race informs the aspirational pursuits of Black youth in the Greater Toronto Area.

An Albert Einstein Biography

Einstein

Albert Einstein Speaking

Reconsidering the 1927 Solvay Conference

Max Einstein: Saves the Future

From Darwin to Einstein - Colossal Mistakes by Great Scientists That Changed Our Understanding of Life and the Universe

The most important scientist of the twentieth century and the most important artist had their periods of greatest creativity almost simultaneously and in remarkably similar circumstances. This fascinating parallel biography of Albert Einstein and Pablo Picasso as young men examines their greatest creations -- Picasso's Les Femmes d'Alger and Einstein's special theory of relativity. Miller shows how these breakthroughs arose not only from within their respective fields but from larger currents in the intellectual culture of the times. Ultimately, Miller shows how Einstein and Picasso, in a deep and important sense, were both working on the same problem.

Presents the life and achievements of Albert Einstein, focusing on his rise from struggling patent clerk to eminent scientist and providing descriptions of the famous personalities and political upheavals of the time period in which he lived.

*The Genius of ALBERT EINSTEIN - An Albert Einstein Biography*Albert Einstein is the most recognizable face of science. The man who created the theory of relativity, alongside so many other breakthroughs in the world of physics, though, was so much more than just a scientist. A philosopher, musician, humanitarian. A pacifist. Einstein was never a man to back down in a fight, and never one to accept the words of authority if they were unjustified, or harmful to others. The kindly, white haired old man, was a flawed genius. A man who possessed excellence in science, a deep love for humanity, struggled in his personal life. This is the story of Albert Einstein, the greatest intellect of the twentieth century, perhaps of all time.

By the author of the acclaimed bestsellers Benjamin Franklin and Steve Jobs, this is the definitive biography of Albert Einstein. How did his mind work? What made him a genius? Isaacson's biography shows how his scientific imagination sprang from the rebellious nature of his personality. His fascinating story is a testament to the connection between creativity and freedom. Based on newly released personal letters of Einstein, this book explores how an imaginative, impertinent patent clerk—a struggling father in a difficult marriage who couldn't get a teaching job or a doctorate—became the mind reader of the creator of the cosmos, the locksmith of the mysteries of the atom, and the universe. His success came from questioning conventional wisdom and marveling at mysteries that struck others as mundane. This led him to embrace a morality and politics based on respect for free minds, free spirits, and free individuals. These traits are just as vital for this new century of globalization, in which our success will depend on our creativity, as they were for the beginning of the last century, when Einstein helped usher in the modern age.

The Biography

Out of My Later Years

Albert Einstein

Breaking the Deadlock Between Darwin and Design

The Evolution of Physics

Einstein, History, and Other Passions

"A fresh and highly visual tour through Einstein's astonishing legacy." —Brian Greene There's no better short book that explains just what Einstein did than Einstein's Cosmos. Keying Einstein's crucial discoveries to the simple mental images that inspired them, Michio Kaku finds a revealing new way to discuss his ideas, and delivers an appealing and always accessible introduction to Einstein's work.

What Harry Potter did for magic, Max Einstein does for kids' imaginations! Max leads a group of kid geniuses in this #1 New York Times bestseller officially approved by the Albert Einstein archives. Max Einstein is not your typical genius. She . . . Hacks the computer system at NYU to attend classes Builds inventions to help the homeless An talks to Albert Einstein! (Okay, that's just in her imagination) But everything changes when Max is recruited by a mysterious organization! Their mission: solve some of the world's toughest problems using science. She's helped by a diverse group of young geniuses from around the globe as they invent new ways to power the farthest reach of the planet. But that's only if the sinister outfit known only as The Corporation doesn't get to her first . . . Max Einstein is a heroine for the modern age and will be looked up to by readers for generations to come. "[A] fast-paced, science-filled caper." -- The Wall Street Journal

The 1927 Solvay conference was perhaps the most important in the history of quantum theory. Contrary to popular belief, questions of interpretation were not settled at this conference. Instead, a range of sharply conflicting views were extensively discussed, including de Broglie's pilot-wave theory (which de Broglie presented for a many system), Born and Heisenberg's 'quantum mechanics' (which apparently lacked wave function collapse or fundamental time evolution), and Schrödinger's wave mechanics. Today, there is no longer a dominant interpretation of quantum theory, so it is important to re-evaluate the historical sources and keep the debate open. This book contains a complete translation of the original proceedings, with essays on the three main interpretations presented, and a detailed analysis of the lectures and discussions in the light of current research. This book will be of interest to graduate students and researchers in physics and in the history and philosophy of quantum theory.

Albert Einstein was a German mathematician and physicist who developed the special and general theories of relativity. In 1921, he won the Nobel Prize for physics for his explanation of the photoelectric effect. In the following decade, he immigrated to the U.S. after being targeted by the German Nazi Party. His work also had a major impact on the development of atomic energy. In his later years, Einstein focused on unified field theory. With his passion for inquiry, Einstein is generally considered the most influential physicist of the 20th century. "Life is like riding a bicycle. To keep your balance you must keep moving." - Albert Einstein This is the descriptive and concise biography of Albert Einstein.

The Quest for a Theory of Everything

Einstein's Masterwork

Walter Isaacson: The Genius Biographies

When Quantum Physics was Reborn

Essays on the Experiences, Education, and Pursuits of Black Youth

Cracking the Einstein Code

This includes the exclusive biography of Steve Jobs and bestselling biographies Benjamin Franklin and Einstein.

In 1915, Albert Einstein presented his masterwork to the Prussian Academy of Sciences, a theory of gravity, matter, space and time: the General Theory of Relativity. Einstein himself said it was " the most valuable theory of my life, " and " of incomparable beauty. " It describes the evolution of the universe, black holes, the behavior of orbiting neutron stars, and why clocks run slower on the surface of the earth than in space. It even suggests the possibility of time travel.And yet when we think of Einstein's breakthrough year, we think instead of 1905, the year of Einstein's Special Theory of Relativity and his equation E=mc2, as his annus mirabilis, even though the Special Theory has a narrower focus.Today the General Theory is overshadowed by these achievements, regarded as "too difficult" for ordinary mortals to comprehend. In Einstein's Masterwork, John Gribbin puts Einstein's astonishing breakthrough in the context of his life and work, and makes it clear why his greatest year was indeed 1915 and his General Theory his true masterpiece.

Albert Einstein is an icon of the twentieth century. Born in Ulm, Germany, in 1879, he is most famous for his theory of relativity. He also made enormous contributions to quantum mechanics and cosmology, and for his work he was awarded the Nobel Prize in 1921. A self-pronounced pacifist, humanist, and, late in his life, democratic socialist, Einstein was also deeply concerned with the social impact of his discoveries. Much of Einstein's life is shrouded in legend. From popular images and advertisements to various works of theater and fiction, he has come to signify so many things. In Einstein: A Biography, Jürgen Neffe presents a clear and probing portrait of the man behind the myth. Unearthing new documents, including a series of previously unknown letters from Einstein to his sons, which shed new light on his role as a father, Neffe paints a rich portrait of the tumultuous years in which Einstein lived and worked. And with a background in the sciences, he describes and contextualizes Einstein's enormous contributions to our scientific legacy. Einstein, a breakout bestseller in Germany, is sure to be a classic biography of the man and proverbial genius who has been called "the brain of the [twentieth] century."

Draws on more than forty interviews with Steve Jobs, as well as interviews with family members, friends, competitors, and colleagues to offer a look at the co-founder and leading creative force behind the Apple computer company.

Max Einstein: The Genius Experiment

The God Equation

Quantum Theory at the Crossroads

The Life of a Genius

The Genius of ALBERT EINSTEIN

Colour Matters

One of the foremost scientists and thinkers of our time, David Bohm worked alongside Oppenheimer and Einstein. In Science, Order and Creativity he and physicist F. David Peat propose a return to greater creativity and communication in the sciences. They ask for a renewed emphasis on ideas rather than formulae, on the whole rather than fragments, and on meaning rather than mere mechanics. Tracing the history of science from Aristotle to Einstein, from the Pythagorean theorem to quantum mechanics, the authors offer intriguing new insights into how scientific theories come into being, how to eliminate blocks to creativity and how science can lead to a deeper understanding of society, the human condition and the human mind itself. Science, Order and Creativity looks to the future of science with elegance, hope and enthusiasm.

An inspiring collection of essays, in which Albert Einstein addresses the topics that fascinated him as a scientist, philosopher, and humanitarian Divided by subject matter—"Science," "Convictions and Beliefs," "Public Affairs," etc.—these essays consider everything from the need for a “supranational” governing body to control war in the atomic age to freedom in research and education to Jewish history and Zionism to explanations of the physics and scientific thought that brought Albert Einstein world recognition. Throughout, Einstein's clear, eloquent voice presents an idealist's vision and relays complex theories to the layperson. Einstein's essays share his philosophical beliefs, scientific reasoning, and hopes for a brighter future, and show how one of the greatest minds of all time fully engaged with the changing world around him. This authorized ebook features rare photos and never-before-seen documents from the Albert Einstein Archives at the Hebrew University of Jerusalem.

*The definitive, internationally bestselling biography of Albert Einstein from the author of The Innovators, Steve Jobs and Benjamin Franklin. **Now the basis of Genius, the ten-part National Geographic series on the life of Albert Einstein, starring the Oscar, Emmy, and Tony Award-winning actor Geoffrey Rush** How did Einstein's mind work? What made him a genius? Isaacson's biography shows how Einstein's scientific imagination sprang from the rebellious nature of his personality. His fascinating story is a testament to the connection between creativity and freedom. Isaacson explores how an imaginative, impertinent patent clerk – a struggling father in a difficult marriage who couldn't get a teaching job or a doctorate – became the locksmith of the mysteries of the atom, and the universe. His success came from questioning conventional wisdom and marvelling at mysteries that struck others as mundane. This led him to embrace a morality and politics based on respect for free minds, free spirits and free individuals. Einstein, the classic No.1 New York Times bestseller, is a brilliantly acclaimed account of the most influential scientist of the twentieth century, 'An illuminating delight' New York Times 'Dramatic and revelatory' Sunday Times 'Beautifully written' Sunday Telegraph 'Astonishing' Mail on Sunday*

From Isaacson, the bestselling author of "Benjamin Franklin," comes the first full biography of Albert Einstein since all his papers have become available--a fully realized portrait of a premier icon of his era.

A Dictionary of Arts, Sciences, Literature and General Information

Updated Edition

A Biography

Our Universe Revealed in Everyday Language

American Sketches

Relativity and the Birth of Black Hole Physics

* Our summary is short, simple and pragmatic. It allows you to have the essential ideas of a big book in less than 30 minutes. *By reading this summary, you will discover the hidden face of one of the greatest geniuses of the 20th century. *You will also discover that : Einstein's childhood was complicated by his maladjustment to authority; His Jewish origin slowed down his evolution and his recognition; He had to go into exile in the United States in 1933 in order to be recognized; Einstein had remorse following the invention of the atomic bomb. *Whether or not one is interested in physics and mathematics, it is interesting to get to know this brilliant rebel that Einstein was. This emblematic being gives us a lesson of humility through his obstinacy and hard work. *Buy now the summary of this book for the modest price of a cup of coffee!

A black hole isn't really a hole . . . is it? Get ready to S-T-R-E-T-C-H your mind with this beloved and best-selling science book. Updated with an all-new chapter about the first black-hole image ever! What are black holes, what causes them, and how the heck did scientists discover them? Acclaimed STEM writer Carolyn DeCristofano's playful text shares how astronomers find black holes, introduces our nearest black-hole neighbors, and provides an excellent introduction to an extremely complex scientific topic. Gorgeous space paintings supplement real telescopic images, and funny doodles and speech bubbles keep the content light and fun.

#1 NEW YORK TIMES BEST SELLER • The epic story of the greatest quest in all of science—the holy grail of physics that would explain the creation of the universe—from renowned theoretical physicist and author of The Future of the Mind and The Future of Humanity When Newton discovered the law of gravity, he unified the rules governing the heavens and the Earth. Since then, physicists have been placing new forces into ever-grander theories. But perhaps the ultimate challenge is achieving a monumental synthesis of the two remaining theories—relativity and the quantum theory. This would be the crowning achievement of science, a profound merging of all the forces of nature into one beautiful, magnificent equation to unlock the deepest mysteries in science: What happened before the Big Bang? What lies on the other side of a black hole? Are there other universes and dimensions? Is time travel possible? Why are we here? Kaku also explains the intense controversy swirling around this theory, with Nobel laureates taking opposite sides on this vital question. It is a captivating, gripping story; what’s at stake is nothing less than our conception of the universe. Written with Kaku’s trademark enthusiasm and clarity, this epic and engaging journey is the story of The God Equation.

Albert Einstein: Life of a Genius When it comes to scientists that have made their mark in the world, then none are perhaps more famous than Albert Einstein. Students around the world are taught about his theories and equations with E=mc2 undoubtedly being the most famous. However, there was more to this man than simply being a genius or the original prototype of the mad professor. Instead, this was a man that was dedicated to not only his profession, but also the concept of pacifism, something that most people are unaware of. Albert Einstein went from a late developing child to running away from school to almost failing university and instead turned himself into one of the greatest minds that the world has ever seen. This is his story, a story of how a child taught himself calculus and geometry and was then not afraid to challenge concepts of how the world worked that had been unchanged for centuries. This was a man who stood up for what he believed in even when the world appeared to be against him. The story of Albert Einstein is about more than just mathematical equations. The story is about a man who beat the odds and became world famous in the unlikely world of physics and the universe.

The Science and the Life of Albert Einstein

The Miracle Mind

Space, Time, and the Beauty That Causes Havoc

Einstein Relatively Simple

Steve Jobs, Benjamin Franklin, Einstein

Einstein's Cosmos: How Albert Einstein's Vision Transformed Our Understanding of Space and Time (Great Discoveries)

Princeton. New Jersey. 14th March 1954 'Albert Einstein speaking.' 'Who?' asks the girl on the telephone. 'I'm sorry,' she says. 'I have the wrong number.' 'You have the right number,' Albert says. From a wrong number to a friendship that would impact both their lives, Albert Einstein Speaking begins with two unlikely friends – the world's most respected scientist and a schoolgirl from New Jersey. From their first conversation Mimi Beaufort had a profound effect on Einstein and brought him, in his final years, back to life. In turn he let her into his world. Albert Einstein Speaking is the story of an incredible friendship, and of a remarkable life. The son of an electrician in nineteenth-century Germany, Albert Einstein went on to become one of the twentieth century's most influential scientists and the most famous face in the world. This riotous, charming and moving novel spans almost a century of European history and shines a light on the real man behind the myth.

A study of one of the fundamental concept of quantum physics examines the strange correlation between two separated particles, entitled "entanglement" by physicist John Bell, drawing on the work of leading physicists to explain the phenomenon.

"[The] book makes a wonderfully cohesive whole. It is rich in ideas, elegantly expressed. I highly recommend it to any serious student of science and culture."--Lucy Horwitz, Boston Book Review "An important and lasting contribution to a more profound understanding of the place of science in our culture."--Hans C. von Baeyer, Boston Sunday Globe "[Holton's] themes are central to an understanding of the nature of science, and Holton does an excellent job of identifying and explaining key features of the scientific enterprise, both in the historical sense and in modern science...I know of no better informed scientist who has studied the nature of science for half a century."--Ron Good, Science and Education Through his rich exploration of Einstein's thought, Gerald Holton shows how the best science depends on great intuitive leaps of imagination, and how science is indeed the creative expression of the traditions of Western civilization.

“What Bodanis does brilliantly is to give us a feel for Einstein as a person. I don’t think I’ve ever read a book that does this as well” (Popular Science). In this “fascinating” biography, the acclaimed author of E=mc2 reveals that in spite of his indisputable brilliance, Albert Einstein found himself ignored by most working scientists during the final decades of his life, his ideas opposed by even his closest friends (Forbes). How did this happen? Einstein revolutionized our understanding of the cosmos with his general theory of relativity, and helped lead us into the atomic age. This book goes beyond his remarkable intellect and accomplishments to examine the man himself, from the skeptical, erratic student to the world’s greatest physicist to the fallen-from-grace celebrity. An intimate biography that “imparts fresh insight into the genius—and failures—of the 20th century’s most celebrated scientist,” Einstein’s Greatest Mistake reveals what we owe Einstein today—and how much more he might have achieved if not for his all-too-human flaws (Publishers Weekly). Named a Science Book of the Year by the Sunday Times and one of the Top Five Science Books of 2016 by ABC News Australia, this unique book “offers a window onto Einstein’s achievements and missteps, as well as his life—his friendships, his complicated love life (two marriages, many affairs) and his isolation from other scientists at the end of his life” (BookPage).

Great Leaders, Creative Thinkers, and Heroes of a Hurricane

His Life and Universe

Science, Order and Creativity

The Age of Entanglement

The Wise Men

Einstein's Greatest Mistake

“Outstanding Academic Title for 2014” by CHOICE Einstein Relatively Simple brings together for the first time an exceptionally clear explanation of both special and general relativity. It is for people who always wanted to understand Einstein's ideas but never thought they could. Told with humor, enthusiasm, and rare clarity, this entertaining book reveals how a former high school drop-out revolutionized our understanding of space and time. From E=mc2 and everyday time travel to black holes and the big bang, Einstein Relatively Simple takes us all, regardless of our scientific backgrounds, on a mind-boggling journey through the depths of Einstein's universe. Along the way, we track Einstein through the perils and triumphs of his life — follow his thinking, his logic, and his insights — and chronicle the audacity, imagination, and sheer genius of the man recognized as the greatest scientist of the modern era. In Part I on special relativity we learn how time slows and space shrinks with motion, and how mass and energy are equivalent. Part II on general relativity reveals a cosmos where black holes trap light and stop time, where wormholes form gravitational time machines, where space itself is continually expanding, and where some 13.7 billion years ago our universe was born in the ultimate cosmic event — the Big Bang. Contents:Einstein Discovered: Special Relativity, E = mc2,and Spacetime:From Unknown to RevolutionaryThe Great ConflictThe Two PostulatesA New RealityThe Shrinking of TimeSimultaneity and the Squeezing of SpaceThe World's Most Famous EquationSpacetimeEinstein Revealed: General Relativity, Gravity, and the Cosmos:Einstein's Dream“The Happiest Thought of My Life”The Warping of Space and TimeStitching SpacetimeWhat is Spacetime Curvature?Einstein's MasterpieceThe Universe RevealedIn the Beginning Readership: Adults and young people all over the world who are curious about Einstein and how the universe works. Keywords:Einstein;Relativity;Special Relativity;General Relativity;Spacetime;Big Bang;Black Holes;Expansion of Space;Time Travel;E=mc2;Universe;Cosmos;Time Dilation;Length Contraction;Wormholes;Light Postulate;Length Contraction;Gravitational Time Dilation;Time Warp;Space Warp;Relativity Postulate;Lorentz Transformation;Light Clock;Relativity of Simultaneity;Twins Paradox;Equivalence Principle;Gravity;Spacetime Curvature;Spacetime Interval;Gaussian Co-Ordinates;Geodesic;Momenergy;The Einstein Equation;Schwarzschild Geometry;Bending of Starlight;Frame Dragging;Cosmic Microwave Background;Geometry of Universe;Flat Universe;Critical Density;Dark Matter;Dark Energy;Future of UniverseKey Features:Einstein Relatively Simple is the definitive book on Einstein's theories for the lay reader — one that is fun to read, comprehensive, and most important, understandableEinstein's ideas are explained in everyday languageThe book devotes eight chapters to special and a full eight chapters to general relativity. Most popular science books give general relativity only a brief mention or ignore it altogetherReviews: “This general relativity theory changed our views on the origin and on the ending (if any) of the universe ... all topics that tickle the imagination of a general public and Egdall, bringing the reader to the point beyond general relativity, does not miss the opportunity to end his guided tour with a sparkling firework of these issues ... it is an entertaining introduction for the layman, that brings the reader a very long way.” The European Mathematical Society “He covers the main topics of special and general relativity in a refreshing, personal way. This is a well-crafted, well-documented text with extensive endnotes, in which a bibliography is embedded. He introduces readers to his own unique entry into this very popular genre. Valuable for inquisitive nonscientists.” CHOICE “I'm crazy about it. It's the best presentation of relativity for non-scientists that I've seen.” Art Hobson Professor Emeritus of Physics University of Arkansas “The writing is jovial and energetic and holds the reader's attention. This book is a nice introduction to modern physics, with a great biography of Einstein included. This book is recommended for a lay reader with basic algebra skills; high school and beginning college physics students would find it easily accessible.” Zentralblatt MATH

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SUMMARY - Einstein: His Life And Universe By Walter Isaacson

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