

Einstein His Life And Universe

Leonardo da Vinci created the two most famous paintings in history, The Last Supper and the Mona Lisa. But in his own mind, he was just as much a man of science and engineering. With a passion that sometimes became obsessive, he pursued innovative studies of anatomy, fossils, birds, the heart, flying machines, botany, geology and weaponry. His ability to stand at the crossroads of the humanities and the sciences, made iconic by his drawing of Vitruvian Man, made him history's most creative genius. Now Walter Isaacson brings Leonardo da Vinci to life, showing why we have much to learn from him. His combination of science, art, technology, and imagination remains an enduring recipe for creativity. So, too, was his ease at being a bit of a misfit: illegitimate, gay, vegetarian, left-handed, easily distracted, and at times heretical. His relentless curiosity should remind us of the importance of instilling, both in ourselves and our children, not just received knowledge but a willingness to question it - to be imaginative and, like talented misfits and rebels in any era, to think differently.

"A gripping account of how the pioneering scientist Jennifer Doudna, along with her colleagues and rivals, launched a revolution that will allow us to cure diseases, fend off viruses, and enhance our children"--

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

Acclaimed by Einstein himself, this is among the clearest, most readable expositions of relativity theory. It explains the problems Einstein faced, the experiments that led to his theories, and what his findings reveal about the forces that govern the universe. 1957 edition. This is the single most complete guide to Albert Einstein's life and work for students, researchers, and browsers alike. Written by three leading Einstein scholars who draw on their combined wealth of expertise gained during their work on the Collected Papers of Albert Einstein, this authoritative and accessible reference features more than one hundred entries and is divided into three parts covering the personal, scientific, and public spheres of Einstein's life. An Einstein Encyclopedia contains entries on Einstein's birth and death, family and romantic relationships, honors and awards, educational institutions where he studied and worked, citizenships and immigration to America, hobbies and travels, plus the people he befriended and the history of his archives and the Einstein Papers Project. Entries on Einstein's scientific theories provide useful background and context, along with details about his assistants, collaborators, and rivals, as well as physics concepts related to his work. Coverage of Einstein's role in public life includes entries on his Jewish identity, humanitarian and civil rights involvements, political and educational philosophies, religion, and more. Commemorating the hundredth anniversary of the theory of general relativity, An Einstein Encyclopedia also includes a chronology of Einstein's life and appendixes that provide information for further reading and research, including an annotated list of a selection of Einstein's publications and a review of selected books about Einstein. More than 100 entries cover the rich details of Einstein's personal, professional, and public life. Authoritative entries explain Einstein's family relationships, scientific achievements, political activities, religious views, and more. More than 40 illustrations include photos of Einstein and his circle plus archival materials. A chronology of Einstein's life, appendixes, and suggestions for further reading provide essential details for further research.

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In 1905, Albert Einstein published five scientific articles that fundamentally changed the world-view of physics: The Special Theory of Relativity revolutionized our concept of space and time, $E=mc^2$ became the best-known equation in physics. On the occasion of the 100th anniversary of his "annus mirabilis" 1905, the UNESCO declared the year 2005 the "World Year of Physics", in order to draw attention to the impact of physics. The Max Planck Institute for the

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, $E = mc^2$, and Spacetime: From Unknown to Revolutionary The Great Conflict The Two Postulates A New Reality The Shrinking of Time Simultaneity and the Squeezing of Space The World's Most Famous Equation Spacetime Einstein Revealed: General Relativity, Gravity, and the Cosmos: Einstein's Dream "The Happiest Thought of My Life" The Warping of Space and Time Stitching Spacetime What is Spacetime Curvature? Einstein's Masterpiece The Universe Revealed In 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; $E=mc^2$; 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; Momentum; 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 Universe Key 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, understandable Einstein's ideas are explained in everyday language The 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 altogether Reviews: "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 populous 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 Based on more than 40 interviews with Jobs conducted over two years--as well as interviews with more than 100 family members, friends, adversaries, competitors, and colleagues--Isaacson has written a riveting story of the roller-coaster life and searingly intense personality of a creative entrepreneur whose passion for perfection and

ferocious drive revolutionized six industries: personal computers, animated movies, music, phones, tablet computing, and digital publishing.

Walter Isaacson’s “enthraling” (The New Yorker) worldwide bestselling biography of Apple cofounder Steve Jobs. Based on more than forty interviews with Steve Jobs conducted over two years—as well as interviews with more than 100 family members, friends, adversaries, competitors, and colleagues—Walter Isaacson has written a riveting story of the roller-coaster life and searingly intense personality of a creative entrepreneur whose passion for perfection and ferocious drive revolutionized six industries: personal computers, animated movies, music, phones, tablet computing, and digital publishing. Isaacson’s portrait touched millions of readers. At a time when America is seeking ways to sustain its innovative edge, Jobs stands as the ultimate icon of inventiveness and applied imagination. He knew that the best way to create value in the twenty-first century was to connect creativity with technology. He built a company where leaps of the imagination were combined with remarkable feats of engineering. Although Jobs cooperated with the author, he asked for no control over what was written. He put nothing off-limits. He encouraged the people he knew to speak honestly. He himself spoke candidly about the people he worked with and competed against. His friends, foes, and colleagues offer an unvarnished view of the passions, perfectionism, obsessions, artistry, devilry, and compulsion for control that shaped his approach to business and the innovative products that resulted. His tale is instructive and cautionary, filled with lessons about innovation, character, leadership, and values. Steve Jobs is the inspiration for the movie of the same name starring Michael Fassbender, Kate Winslet, Seth Rogen, and Jeff Daniels, directed by Danny Boyle with a screenplay by Aaron Sorkin.

Based on more than forty interviews with Steve Jobs conducted over two years - as well as interviews with more than a hundred family members, friends, adversaries, competitors, and colleagues - this is the acclaimed, internationally bestselling biography of the ultimate icon of inventiveness. Walter Isaacson tells the story of the rollercoaster life and searingly intense personality of creative entrepreneur whose passion for perfection and ferocious drive revolutionized six industries: personal computers, animated movies, music, phones, tablet computing, and digital publishing. Although Jobs cooperated with this book, he asked for no control over what was written, nor even the right to read it before it was published. He put nothing off limits. He encouraged the people he knew to speak honestly. And Jobs speaks candidly, sometimes brutally so, about the people he worked with and competed against. His friends, foes, and colleagues provide an unvarnished view of the passions, perfectionism, obsessions, artistry, devilry, and compulsion for control that shaped his approach to business and the innovative products that resulted.

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of Leonardo, who manages to communicate the sheer joy of this remarkable man" Books of the Year - The Times "Walter Isaacson keeps the mortal man to the fore. For all his supernatural gifts as an artist and natural scientist. Leonardo was resolutely human (illegitimate, vegan, in need of patrons) rather than the near deity of legend. Isaacson is an assured guide to Leonardo's fallibility - so many projects started, so few completed - as well as his extraordinary curiosity and his even more remarkable painterly skills that were sharpened by intense observation." Michael Prodger, Books of the Year - The Sunday Times "Infinitely curious, easily distracted, vain and vegetarian, Leonardo is brought to vivid life in this accomplished biography." - The SundayTimes. "an illuminating guide to the output of one of the last millennium's greatest minds." - The Observer "Isaacson doesn't claim to make any fresh discoveries, but his book is intelligently organised, simply written and beautifully illustrated." Book of the Day, The Guardian. "Isaacson's scholarship is impressive--he cites not only primary sources but secondary materials by art critics, essayists, and da Vinci's other biographers. This is a monumental tribute to a titanic figure." - Publisher's Weekly "A powerful story of an exhilarating mind and life...a study in creativity: how to define it, how to achieve it."--The New Yorker "Vigorous, insightful."--The Washington Post "A masterpiece."--San Francisco Chronicle "Luminous."--The Daily Beast "To read this magnificent biography of Leonardo da Vinci is to take a tour through the life and works of one of the most extraordinary human beings of all time in the company of the most engaging, informed, and insightful guide imaginable. Walter Isaacson is at once a true scholar and a spellbinding writer. And what a wealth of lessons there are to be learned in these pages." David McCullough The creator of *Salvator Mundi* (Saviour of the World) officially sold at auction in New York in November 2017 for the record-breaking sum of £341 million. He was history's most creative genius. What secrets can he teach us? Based on thousands of pages from Leonardo's astonishing notebooks and new discoveries about his life and work, Walter Isaacson weaves a narrative that connects his art to his science. He shows how Leonardo's genius was based on skills we can improve in ourselves, such as passionate curiosity, careful observation, and an imagination so playful that it flirted with fantasy. He produced the two most famous paintings in history, *The Last Supper* and the *Mona Lisa*. But in his own mind, he was just as much a man of science and technology. With a passion that sometimes became obsessive, he pursued innovative studies of anatomy, fossils, birds, the heart, flying machines, botany, geology, and weaponry. His ability to stand at the crossroads of the humanities and the sciences, made iconic by his drawing of *Vitruvian Man*, made him history's most creative genius. His creativity, like that of other great innovators, came from having wide-ranging passions. He peeled flesh off the faces of cadavers, drew the muscles that move the lips, and then painted history's most memorable smile. He explored the math of optics, showed how light rays strike the cornea, and produced illusions of changing perspectives in *The Last Supper*. Isaacson also describes how Leonardo's lifelong enthusiasm for staging theatrical productions informed his paintings and inventions. Leonardo's delight at combining diverse passions remains the ultimate recipe for creativity. So, too, does his ease at being a bit of a misfit: illegitimate, gay, vegetarian, left-handed, easily distracted, and at times heretical. His life should remind us of the importance of instilling, both in ourselves and our children, not just received knowledge but a willingness to question it--to be imaginative and, like talented misfits and rebels in any era, to think different.

EinsteinHis Life and UniverseSimon and Schuster

This exclusive boxed set from beloved New York Times bestselling author Walter Isaacson features his definitive biographies: Steve Jobs, Einstein, Benjamin Franklin, and Leonardo da Vinci. "If anybody in America understands genius, it's Walter Isaacson." —Salon Celebrated historian, journalist, and bestselling author Walter Isaacson's biography collection of geniuses now available in one boxed set—the perfect gift for history lovers everywhere. Steve Jobs: The "enthraling" (The New Yorker) worldwide bestselling biography of legendary Apple cofounder

Steve Jobs. The story of the roller-coaster life and intense creative entrepreneur whose passion for perfection and ferocious drive revolutionized six industries: personal computers, animated movies, music, phones, tablet computing, and digital publishing. Isaacson's portrait touched millions of readers. Einstein: How did his mind work? What made him a genius? Isaacson's biography of Albert Einstein—also the basis for the ten-part National Geographic series starring Geoffrey Rush—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. Benjamin Franklin: In this colorful and intimate narrative, Isaacson provides the full sweep of Ben Franklin's amazing life, showing how the most fascinating Founding Father helped forge the American national identity. Leonardo da Vinci: History's consummate innovator and most creative thinker. Isaacson illustrates how Leonardo's genius was based on skills we can improve in ourselves, such as passionate curiosity, careful observation, and an imagination so playful that it flirted with fantasy. Evaluates the roles of six leaders who shared the effort to restore order after World War II, including Averell Harriman, Dean Acheson, George Kennan, Robert Lovett, John McCloy, and Charles Bohlen.

The Genius Biographies boxed set from New York Times bestselling author Walter Isaacson featuring his definitive biographies: Steve Jobs, Einstein, and Benjamin Franklin. "If anybody in America understands genius, it's Walter Isaacson." —Salon Walter Isaacson's beloved biographies of American geniuses—now in one boxed set: Steve Jobs: The riveting biography of legendary Apple cofounder Steve Jobs. The story of the roller-coaster life and intense creative entrepreneur whose passion for perfection and ferocious drive revolutionized six industries: personal computers, animated movies, music, phones, tablet computing, and digital publishing. Isaacson's portrait touched millions of readers. Einstein: How did his mind work? What made him a genius? Isaacson's biography of Albert Einstein 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. Benjamin Franklin: In this colorful and intimate narrative, Isaacson provides the full sweep of Ben Franklin's amazing life, showing how the most fascinating Founding Father helped forge the American national identity.

With a new introduction by the authors, this is the classic account of the American statesmen who rebuilt the world after the catastrophe of World War II. A captivating blend of personal biography and public drama, *The Wise Men* introduces six close friends who shaped the role their country would play in the dangerous years following World War II. They were the original best and brightest, whose towering intellects, outsize personalities, and dramatic actions would bring order to the postwar chaos and leave a legacy that dominates American policy to this day. *The Wise Men* shares the stories of 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.

Tells the life story of founding father Benjamin Franklin, describing the many hats he wore, from inventor to businessman to statesman; the persona he created--and that still lives on; and his relationships with his wife, his illegitimate son, and his illegitimate grandson.

"Following his blockbuster biography of Steve Jobs, *The Innovators* is Walter Isaacson's revealing story of the people who created the computer and the Internet. It is destined to be the standard history of the digital revolution and an indispensable guide to how innovation really

happens. What were the talents that allowed certain inventors and entrepreneurs to turn their visionary ideas into disruptive realities? What led to their creative leaps? Why did some succeed and others fail? In his masterly saga, Isaacson begins with Ada Lovelace, Lord Byron's daughter, who pioneered computer programming in the 1840s. He explores the fascinating personalities that created our current digital revolution, such as Vannevar Bush, Alan Turing, John von Neumann, J.C.R. Licklider, Doug Engelbart, Robert Noyce, Bill Gates, Steve Wozniak, Steve Jobs, Tim Berners-Lee, and Larry Page. This is the story of how their minds worked and what made them so inventive. It's also a narrative of how their ability to collaborate and master the art of teamwork made them even more creative. For an era that seeks to foster innovation, creativity, and teamwork, *The Innovators* shows how they happen"--

The first full biography of Albert Einstein since all of his papers have become available shows how his scientific imagination sprang from the rebellious nature of his personality. Biographer Isaacson explores how an imaginative, impertinent patent clerk--

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.

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

Quicklets: Learn More. Read Less. *Steve Jobs* is Walter Isaacson's fourth major biography, and it was his account of the lives of Albert Einstein and Benjamin Franklin that led Steve Jobs to approach Isaacson about writing his own biography. Isaacson attended Harvard University where he earned a B.A. in history and literature, and he also attended Oxford University as a Rhodes Scholar. Isaacson currently serves as chairman of the board for Teach for America and the Broadcasting Board of Governors. He began his career at the *The Sunday Times* of London before joining *TIME Magazine* in 1978, where he eventually became editor in 1996. He became Chairman and CEO of CNN in 2001, then became President and CEO of the Aspen Institute in 2003. Isaacson enjoyed unprecedented access to Steve Jobs, drawing on over forty exclusive interviews with the tech icon dating back to 2009 for this biography. Isaacson's other notable biographies include *Einstein: His Life and Universe* (2007) , *Benjamin Franklin: An American Life* (2003), and *Kissinger: A Biography* (1992). *Steve Jobs* was published only weeks after Jobs passed, and the book immediately jumped to the top of every bestseller list in the country. The hotly anticipated biography sold 37,000 copies in its first five days, setting a record for any book, fiction or nonfiction, hardcover or paperback. Amazon recently announced that *Steve Jobs* was Amazon's bestselling book of 2011. Sony has already acquired the rights to the film version of the biography, and there are rumors that Aaron Sorkin, who adapted *The Social Network* for the big screen could be writing the screenplay.

In 1905, Albert Einstein published five scientific articles that fundamentally changed the world-

view of physics: The Special Theory of Relativity revolutionized our concept of space and time, $E=mc^2$ became the best-known equation in physics. On the occasion of the 100th anniversary of Einstein's "annus mirabilis" 1905, the UNESCO declared the year 2005 the "World Year of Physics", in order to draw attention to the impact of physics. The Max Planck Institute for the History of Science dedicates an exhibition to the easily most important scientist of the 20th century. The exhibition is accompanied by a two-volume catalogue. The elaborate, four-colour first volume (Albert Einstein - Chief Engineer of the Universe: Einstein's Life and Work in Context) mirrors the structure of the exhibition, containing detailed, easy-to-understand information on the three large exhibition areas - World-view and discovery - Einstein - his life - Einstein's world today. On the basis of Einstein's innovative theoretical work, the text explains changing historical world-views as well as the conditions under which science develops, shedding light on the bumpy path of Einstein's life and the political and social revolutions which formed its background. This bridge between scientific and cultural history opens up a perspective on Einstein's biography which goes far beyond the traditional picture of this exceptional science genius. The book concludes with a depiction of the effects of Einstein's work on today's science and culture. A DVD with animations and film sequences from the exhibition is enclosed. The second volume is a bilingual collection of source material (Documents of a Life's Pathway/Dokumente eines Lebensweges). Letters and manuscripts by Einstein as well as photographs of people and objects are reproduced in high quality and invite the reader to study the exhibition's sources more intensively.

Simplified Chinese edition of 12 Rules for Life: An Antidote to Chaos

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