

stephen hawking biography

stephen hawking biography is a topic that unveils the extraordinary life, achievements, and impact of one of the most brilliant minds in modern science. This comprehensive article guides you through the captivating journey of Stephen Hawking, from his early life, education, and personal challenges to his groundbreaking contributions to theoretical physics and cosmology. You will discover how Hawking overcame a debilitating illness to revolutionize our understanding of black holes, the universe, and time itself. The article also highlights key milestones, major works, personal life details, and his lasting legacy in science and popular culture. Whether you are a student, researcher, or simply curious about Stephen Hawking's biography, this detailed resource provides valuable insights and facts, ensuring you gain a complete understanding of his remarkable story.

- Early Life and Background
- Education and Academic Journey
- Diagnosis and Personal Challenges
- Scientific Contributions
- Major Publications and Works
- Personal Life and Relationships
- Recognition and Awards
- Legacy and Influence

Early Life and Background

Stephen Hawking was born on January 8, 1942, in Oxford, England. His birth coincided with the 300th anniversary of Galileo Galilei's death, a symbolic start for a future scientific luminary. Hawking grew up in a highly intellectual family, with both parents having attended Oxford University. Despite modest financial circumstances, his family fostered a culture of academic curiosity and debate. As a child, Hawking displayed an early fascination with science and mathematics, often constructing complex models and devices for fun. His formative years laid the foundation for his future pursuits in physics and cosmology.

Education and Academic Journey

Schooling and Early Interests

Hawking attended St. Albans School, where his academic abilities began to shine. Although not always the top student, his interest in mathematics and physics was clear. He excelled in these subjects, driven by curiosity and a desire to understand the universe.

University Studies

At age 17, Stephen Hawking entered University College, Oxford, to study physics. He found the coursework relatively easy, spending more time on extracurricular activities and socializing. After graduating with honors in natural science, he pursued graduate studies at Trinity Hall, Cambridge. There, he embarked on research concerning cosmology, drawn by the fundamental questions about space and time.

Diagnosis and Personal Challenges

Onset of Motor Neuron Disease

At age 21, shortly after beginning his doctoral studies, Hawking was diagnosed with amyotrophic lateral sclerosis (ALS), a rare and progressive motor neuron disease. Doctors initially gave him only a few years to live. Despite the devastating prognosis, Hawking resolved to continue his scientific work and research.

Adapting to Disability

As the disease progressed, Hawking gradually lost mobility and eventually required a wheelchair. He also lost the ability to speak, relying on a speech-generating device to communicate. His resilience and determination became a hallmark of his biography, inspiring people worldwide.

- Faced early symptoms while at Cambridge
- Maintained active research despite increasing physical limitations
- Developed unique ways to communicate and work

Scientific Contributions

Black Hole Theory

Stephen Hawking is best known for his work on black holes. He proposed that black holes emit radiation, now called Hawking radiation, due to quantum effects near the event horizon. This groundbreaking theory challenged previous beliefs and opened up new avenues in theoretical physics.

Cosmology and the Universe

Hawking contributed significantly to the understanding of the Big Bang theory and the nature of the universe. He explored the concept of singularities, proposing that the universe began as a singularity governed by quantum laws. His work unified general relativity and quantum mechanics, influencing generations of physicists.

Quantum Gravity and Time

His research extended to quantum gravity, the unification of quantum mechanics with Einstein's theory of gravitation. Hawking's "no-boundary proposal" suggested that the universe has no boundaries in imaginary time, a concept that redefined cosmological models.

Major Publications and Works

A Brief History of Time

In 1988, Hawking published "A Brief History of Time," a best-selling book that brought complex scientific concepts to a general audience. The book explored the nature of time, the universe, and black holes, becoming an international phenomenon and introducing millions to modern cosmology.

Other Notable Publications

Hawking authored and co-authored several influential works, including:

- “Black Holes and Baby Universes and Other Essays”
- “The Universe in a Nutshell”
- “The Grand Design”
- “On the Shoulders of Giants”
- Numerous peer-reviewed scientific papers

Personal Life and Relationships

Marriage and Family

Stephen Hawking married Jane Wilde in 1965, and together they had three children. Jane played a crucial role in supporting Hawking during the early years of his illness and academic career. Despite personal and health challenges, their partnership was an important aspect of his biography.

Interests Beyond Science

Hawking was known for his wit, humor, and love of popular culture. He made cameo appearances in television shows and films, including “The Simpsons” and “Star Trek.” His public persona helped bridge the gap between science and society, making complex ideas accessible and engaging.

Recognition and Awards

Academic Honors

Throughout his career, Stephen Hawking received numerous accolades for his scientific achievements. These honors recognized his profound contributions to theoretical physics and cosmology.

1. Commander of the Order of the British Empire (CBE)
2. Fellow of the Royal Society
3. Presidential Medal of Freedom (USA)

4. Wolf Prize in Physics

5. Special Breakthrough Prize in Fundamental Physics

Public Recognition

Hawking's story reached beyond academia. His perseverance and intellect made him an icon, celebrated in documentaries, biographies, and the film "The Theory of Everything," which depicted his life and work.

Legacy and Influence

Scientific Impact

Stephen Hawking's research transformed our understanding of black holes, the Big Bang, and the nature of time. His theories continue to influence cosmology, quantum physics, and scientific thought. Hawking's ability to communicate complex ideas made science more accessible to the general public.

Inspirational Figure

Despite his physical limitations, Hawking's achievements embodied resilience, curiosity, and the pursuit of knowledge. He inspired countless individuals to overcome adversity and pursue their passions, leaving a lasting legacy in both science and society.

Popular Culture and Media

Hawking's appearances in media and his advocacy for science education cemented his status as a global icon. His life story continues to inspire books, films, and educational initiatives, ensuring his influence endures for future generations.

Trending and Relevant Questions and Answers about Stephen Hawking Biography

Q: When and where was Stephen Hawking born?

A: Stephen Hawking was born on January 8, 1942, in Oxford, England.

Q: What is Stephen Hawking most famous for?

A: Stephen Hawking is most famous for his research on black holes, especially the prediction of Hawking radiation, and his contributions to cosmology.

Q: What illness did Stephen Hawking have?

A: Stephen Hawking was diagnosed with amyotrophic lateral sclerosis (ALS), a progressive motor neuron disease, at age 21.

Q: What are some of Stephen Hawking's major books?

A: Some major books by Stephen Hawking include "A Brief History of Time," "The Universe in a Nutshell," "The Grand Design," and "Black Holes and Baby Universes and Other Essays."

Q: How did Stephen Hawking communicate after losing his ability to speak?

A: Stephen Hawking used a speech-generating device controlled by movement in his cheek muscles to communicate.

Q: What awards and honors did Stephen Hawking receive?

A: Stephen Hawking received many awards, including the Commander of the Order of the British Empire (CBE), the Wolf Prize in Physics, and the Presidential Medal of Freedom.

Q: Who was Stephen Hawking's spouse?

A: Stephen Hawking's first spouse was Jane Wilde, whom he married in 1965.

Q: What is Hawking radiation?

A: Hawking radiation is a theoretical prediction by Stephen Hawking that black holes emit radiation due to quantum effects near their event horizon.

Q: Was Stephen Hawking portrayed in any movies?

A: Yes, Stephen Hawking's life was portrayed in the film "The Theory of Everything," with Eddie Redmayne playing Hawking.

Q: What is Stephen Hawking's legacy in science?

A: Stephen Hawking's legacy includes his groundbreaking theories in cosmology and black hole physics, his popular science books, and his inspiration to scientists and the public worldwide.

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Stephen Hawking Biography: A Life of Brilliance Against the Odds

Stephen Hawking. The name conjures images of a wheelchair, a synthesized voice, and a mind that wrestled with the universe's deepest mysteries. This isn't just a biography; it's a journey into the extraordinary life of one of history's most celebrated physicists, a man whose unwavering spirit defied a debilitating illness to leave an indelible mark on science and popular culture. This comprehensive post delves into Hawking's life, from his early years and groundbreaking discoveries to his enduring legacy and the lasting impact he had on the world.

Early Life and Education: The Seeds of Genius

Born in Oxford, England, on January 8, 1942, Stephen Hawking showed early signs of academic brilliance, though not without some childhood quirks. He excelled in science and mathematics, displaying a keen intellect that would later define his career. Despite his academic prowess, he wasn't a stereotypical prodigy; he enjoyed board games, model building, and even admitted to a degree of laziness in his schoolwork. His intellectual curiosity, however, was undeniable. His pursuit of knowledge led him to University College, Oxford, where he studied physics, eventually earning a first-class honors degree. This solid foundation propelled him towards the next chapter of his life: research at Cambridge University.

Cambridge and the Diagnosis: A Turning Point

Cambridge was where Hawking embarked on his doctoral studies in cosmology. It was also where his life took a dramatic and unexpected turn. At the age of 21, he received a devastating diagnosis of amyotrophic lateral sclerosis (ALS), a debilitating neurodegenerative disease. Doctors gave him only a few years to live. This diagnosis, however, rather than extinguishing his ambition, seemed to ignite a fire within him. He threw himself into his research with renewed vigor, driven by a profound sense of urgency.

Scientific Breakthroughs: Unraveling the Universe

Despite the relentless progression of his illness, Hawking's contributions to theoretical physics were nothing short of revolutionary. His work focused primarily on black holes and cosmology, challenging established theories and opening up new avenues of understanding.

Black Holes and Hawking Radiation: A Paradigm Shift

His research on black holes, particularly the concept of Hawking radiation – the theoretical emission of radiation from black holes – fundamentally altered our understanding of these enigmatic celestial objects. This theory suggested that black holes are not entirely "black" but gradually lose mass and eventually evaporate. This groundbreaking work earned him widespread acclaim and solidified his position as a leading figure in theoretical physics.

A Brief History of Time: Reaching a Global Audience

Hawking's scientific achievements were not confined to the academic world. His book, *A Brief History of Time*, published in 1988, became a global phenomenon, making complex scientific concepts accessible to a wide audience. The book's success cemented his status as a pop culture icon, bringing the wonders of the universe to millions of readers worldwide. This remarkable feat of scientific communication further broadened his influence, inspiring countless individuals to pursue their own scientific passions.

Personal Life and Legacy: Beyond the Equations

Hawking's life was not solely defined by his scientific accomplishments. His personal relationships, including his marriages and family life, were complex and often challenging, reflecting the human side of a genius struggling with the limitations of his physical condition. His resilience and determination in the face of adversity became a source of inspiration for millions around the globe. He showed the world that limitations, even profound ones, need not define a person's potential.

The Enduring Legacy: Inspiring Generations

Stephen Hawking passed away on March 14, 2018, leaving behind a legacy that extends far beyond his scientific contributions. He was a symbol of human resilience, intellectual curiosity, and unwavering determination. His life story serves as a powerful reminder that even in the face of seemingly insurmountable obstacles, the human spirit can triumph. His influence on science, popular culture, and the way we perceive the universe remains profound and enduring. His work continues to inspire future generations of scientists and thinkers, urging them to push the boundaries of human knowledge and understanding.

Conclusion

Stephen Hawking's life was a testament to the human spirit's incredible capacity to overcome adversity and achieve greatness. His journey, from a brilliant young physicist to a global icon, is a story of resilience, intellectual curiosity, and the unwavering pursuit of knowledge. His legacy will continue to inspire and challenge us for generations to come.

FAQs

1. What was Stephen Hawking's most significant scientific contribution? While he made many significant contributions, his theory of Hawking radiation, proposing that black holes emit radiation and eventually evaporate, is widely considered his most revolutionary and impactful work.
2. What caused Stephen Hawking's illness? Hawking suffered from amyotrophic lateral sclerosis (ALS), a progressive neurodegenerative disease that gradually paralyzed him.
3. Did Stephen Hawking write any other books besides *A Brief History of Time*? Yes, he wrote several other popular science books, including *Black Holes and Baby Universes and Other Essays*, *The Universe in a Nutshell*, and *A Briefer History of Time*.
4. What awards did Stephen Hawking receive? Hawking received numerous prestigious awards, including the Presidential Medal of Freedom, the Copley Medal, and the Albert Einstein Medal.

5. How did Stephen Hawking communicate after losing the ability to speak? He used a speech-generating device, which he controlled using a cheek muscle, allowing him to communicate through a synthesized voice.

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stephen hawking biography: Biography of Stephen Hawkings Mahesh Sharma, 2021-01-01 Stephen Hawking is one of the greatest geniuses of our time. After Albert Einstein; he is one of the most brilliant theoretical physicists in history. Though this great cosmologist is afflicted with ALS (Lou Gehrig's disease); it did not deter him from pursuing Physics. This book is an unbeatable person's biography in an engaging manner. It sketches a candid portrait of this one of a kind personality giving insight into his personal and professional life. In a simple language; the complex and confuing world of science have been explained that Hawking as a scientist has traversed through his life. Thus it is comprehensible to even a lay person. The book unravels the life of Hawking's from the time he was a college student; to becoming a great cosmologist. An inspiring book which will help the reader know one of the greatest minds of the present age. Stephen Hawking is one of the greatest geniuses of our time. After Albert Einstein; he is one of the most brilliant theoretical physicists in history. Though this great cosmologist is afflicted with ALS (Lou Gehrig's disease); it did not deter him from pursuing Physics. This book is an unbeatable person's biography in an engaging manner. It sketches a candid portrait of this one of a kind personality giving insight into his personal and professional life. In a simple language; the complex and confuing world of science have been explained that Hawking as a scientist has traversed through his life. Thus it is comprehensible to even a lay person. The book unravels the life of Hawking's from the time he was a college student; to becoming a great cosmologist. An inspiring book which will help the reader know one of the greatest minds of the present age. Biography of Stephen Hawking by MAHESH SHARMA: This biography tells the story of Stephen Hawking, a renowned physicist and author who made significant contributions to the world of science and popular culture. With its engaging storytelling and its commitment to scientific discovery, Biography of Stephen Hawking is a must-read for anyone interested in the world of physics and scientific innovation. Key Aspects of the Book Biography of Stephen Hawking: Scientific Innovation: The book highlights Stephen Hawking's significant contributions to the world of physics and scientific discovery. Inspiring Story: The book tells a captivating and inspiring story, showcasing the power of passion, perseverance, and courage in the face of adversity. Popular Culture: The book offers insights into the world of popular culture, highlighting Stephen Hawking's impact on media and entertainment. MAHESH SHARMA is an author and historian who has written extensively on the history of science and technology. Biography of Stephen Hawking is one of his most popular works.

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stephen hawking biography: Stephen Hawking Kitty Ferguson, 2012 Stephen Hawking is one of the most remarkable figures of our time - a Cambridge genius who has earned international celebrity and become an inspiration to those who have witnessed his triumph over disability. This is

Hawking's life story by Kitty Ferguson, written with help from Hawking himself and his close associates. Updated and substantially expanded from her earlier book of 1992, this carefully researched, up to the minute biography gives a rich picture of Hawking's life - his childhood, the heartrending beginning of his struggle with motor neurone disease, his ever-increasing international fame, and his long personal battle for survival in pursuit of a scientific understanding of the universe. Throughout Kitty Ferguson also summarizes and explains the cutting-edge science in which Hawking has been engaged. Stephen Hawking is written with the clarity and simplicity for which all Kitty Ferguson's books have been praised. The result is a captivating account of an extraordinary life and mind.

stephen hawking biography: Stephen Hawking Michael Woodford, 2017-11-24 Stephen Hawking - A Stephen Hawking Biography: The Greatest Scientist of Our Time Dennis William Sciama (1926 - 1999) was a don at the University of Cambridge in the United Kingdom. He was one of the most eminent physicists of his time. In 1963 he was informed that he was to receive a new pupil, a young man from Oxford who wished to undertake his doctoral thesis under his tutelage. There was nothing unusual in this. Mentoring new pupils was part and parcel of a university academic's life. However the new pupil seemed, on the face of it, unremarkable. In fact he had the reputation of a lazy and somewhat difficult student. In his written exam at Oxford he had achieved neither a first nor a second degree. A first would have entitled him to undertake postgraduate studies at Cambridge; a second at Oxford. He had to submit to an oral exam, an ordeal that terrified him but nevertheless impressed his examiners who remarked that they faced intelligence greater than there on. After a while Sciama also agreed that he was dealing with a highly potent intellect. This man was only 21 years old and moreover had just been given 2 years to live. His name was Stephen William Hawking. Since then, Stephen Hawking has gone on to become one of the most eminent scientists of his generation, internationally respected and famous for his work. This is his story.

stephen hawking biography: Stephen Hawking John Gribbin, Michael White, 2016-01-21 'A gripping account of a physicist whose speculations could prove as revolutionary as those of Albert Einstein . . . Its combination of erudition, warmth, robustness, and wit is entirely appropriate to their subject' New Statesman 'Intriguing . . . There are larger questions here than the life of even this singular man' Peter Ackroyd, The Times Stephen Hawking was no ordinary scientist. He managed to do more than perhaps any other physicist to broaden our basic understanding of the universe. This skilful portrait of an indefatigable genius traces the course of Hawking's life and science, marrying biography and physics to tell the story of a remarkable man.

stephen hawking biography: Stephen Hawking: A Brief History of My Life Time and a Biography of an Envisioned Man Thomas Elton, Stephen Hawking - Was the previous Lucasian Professor of Mathematics at Cambridge University & the writer of a best sellers "A Brief History of Time". Learn about Stephen Hawking's life & his discoveries studying the universe, plus how he inspired cosmology. Are you interested in the Universe and cosmology Are you a fan f Stephen Hawking? Are you entranced by Stephen Hawking and his theories? If so this Stephen Hawking Biography is perfect for you? It was the 8th of January 2012 when a man who found out at 21 that he possessed motor neurone disease, which in most occasions equals a number of years' degeneration then an inevitable death, enjoyed his 70th birthday. The scientist Stephen Hawking was born on January 8, 1942 in the city of Oxford, England. Even as a youngster, Stephen Hawking displayed amazement for science, mathematics and space. Whilst age 21 and studying cosmology at the university of Cambridge, Steven discovered that he suffered from Amyotrophic Lateral Sclerosis (ALS). During the two years after discovering this life changing announcement; Hawking rose from being a struggling student, to the world's most outstanding famous scientist in existence. Stephen's favourite fields were Theoretical physics, applied mathematics and Cosmology. Stephen is known for his theories on Black holes, Quantum gravity, cosmology and Hawking radiation. Stephen Hawking has produced four revised books by himself and at least three books for children his beloved daughter Lucy. He has had two wives, fathered three children and has three grand children. Stephen stated "His purpose is simple. It is to completely understand the universe, why it has developed into

what it is and the purpose for the universes existence at all” – Stephen Hawking For a complete insight into Stephen Hawking’s life, you’ll probably wish to indulge in this superb biography. Stephen Hawking, Stephen Hawking Biography, Biographies & Memoirs, Science Maths, Cosmology, Space

stephen hawking biography: Stephen Hawking Biography: The Life and Work of the World’s Famous Scientist in a Brief History of Time Chris Dicker, Stephen Hawking, the next Einstein of the 21st century. He explores the mysteries of the universe with the help of modern physics and technology. The concepts of black holes, gravitational waves, baby universes, the big bang, time wraps, time travel, imaginary time, string theory, theory of everything, unified theory, and many others are contributed to Stephen Hawking's work. Moreover...

stephen hawking biography: Stephen Hawking Dave A. Andrew, Have you seen someone from a movie that made you wonder if someone like that exists in real life? Like Superman, or Wonderwoman. Someone with extraordinary qualities that only lives by your imagination. I thought they are just like that, from my fantasy. Until... I came across Stephen Hawking. Stephen Hawking is a name that is impossible to ignore, at least if you’re a human from Earth. Although to be fair, I’m willing to bet that aliens also know a thing or two about him. He was called the modern day Einstein for a reason. If you don't know him, or have heard of him but didn't know how big of an impact he did on this planet, or you just want some inspiration when you are feeling down... then take a look at this book. Stephen Hawking, the Man Who Defied Everything includes: What Everyone Ought To Know About Stephen Hawking (How he was predicted to die by 21, and how he extended his life to 76) Stephen Hawking is a Robot, How He Can Talk Without Opening His Mouth Why A Brief History of Time Will Change the Way You Think: From the Big Bang to Black Holes The Universe in a Nutshell Explained in an Easy Way, You Don't Have To Be a Scientist or Cosmologist to Understand Interpretation of The Theory of Everything: The Origin and Fate of the Universe Fall in Love with Physics and Science by his beliefs The Dreams that Stuff is Made of: The Most Astounding Papers of Quantum Physics, and How They Shook the Scientific World The Ice Bucket Challenge The Truth Is You Are Not The Only Person Concerned About ALS And much MUCH more! Are you ready to know about a real-life superhero who lived in our generation? You will be amazed at how he surpassed hindrances that are not imaginable. Much of the content of this book is being debated for his belief have a different approach. So if you are interested in Theoretical Physics or just want to be inspired by someone who defied all limits, Do not Wait Any Longer! BUY NOW to know more about Stephen Hawking's contribution to the World.

stephen hawking biography: Stephen Hawking Joel Levy, 2021-07-15 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.

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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

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stephen hawking biography: A Brief History of Time Stephen W. Hawking, 1995 Was there a beginning of time? Could time run backwards? Is the universe infinite or does it have boundaries? These are just some of the questions considered in an internationally acclaimed masterpiece which begins by reviewing the great theories of the cosmos from Newton to Einstein, before delving into the secrets which still lie at the heart of space and time.

stephen hawking biography: Stephen Hawking Mary-Lane Kamberg, 2014-07-15 Beyond reaching the pinnacle of success in his field, the preeminent physicist Stephen Hawking also has made a name for himself as a best-selling author. His books bring the wonders of the universe to the masses. Hawking himself is revealed to the public in this book, which follows his rise from apathetic schoolboy to respected scientist and writer. Along the way readers discover how Hawking has dealt with having ALS, and what critics have said about his commercial writings.

stephen hawking biography: Stephen Hawking Leonard Mlodinow, 2020 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.

stephen hawking biography: Stephen Hawking Kitty Ferguson, 2011-11-10 In 1963 Stephen Hawking was given two years to live. Defying all the odds, he died in March 2018 at age seventy-six as the most celebrated scientist in the world. This carefully researched and updated biography and tribute gives a rich picture of Hawking's remarkable life - his childhood, the heart-rending beginning of his struggle with motor neurone disease, his ever-increasing international fame, and his long personal battle for survival in pursuit of a scientific understanding of the universe. From more recent years, Kitty Ferguson describes his inspiring leadership at the London Paralympic Games, the release of the film *The Theory of Everything*, his continuing work on black holes and the origin of the universe, the discovery of 'supertranslations', and the astounding 'Starshot' program. Here also are his intense concern for the future of the Earth and his use of his celebrity to fight for environmental and humanitarian causes, and, finally, a ground-breaking paper he was working on at the time of his death, in which he took issue with some of his own earlier theories. Throughout, Ferguson summarizes and explains the cutting-edge science in which Hawking was engaged and offers vivid first-hand descriptions of his funeral in Cambridge and the interment of his ashes in Westminster Abbey. This is an amazing and revealing tribute, assessing Hawking's legacy in and out of science.

stephen hawking biography: Stephen Hawking: A Secret Biography: A Rare, Concise Biography of a Visionary Physicist Ronald Fraiser, 2018-04-24 Get to know the real Stephen Hawking - Behind the Public's Eyes Here's Just a Taste What You'll See in This Rare Stephen Hawking Biography: Stephen Hawking: Lesser Known Facts about Stephen Hawking #11 Hawking changed the end-of-time clock by 900 years after the end of 2016, claiming that this century would be the end of Planet Earth. Therefore, the need for searching alternative planets is a necessity for human beings now if they want the human race to exist for more than a 100 more years. According to him, the human race would need to occupy more than one planet to continue their existence. Stephen Hawking: Lesser Known Facts about Stephen Hawking #15 In the year 1985, after he had had his tracheotomy, Stephen Hawking tried to kill himself by stopping his own breathing but it turned out that human body's reflex was stronger than his wish to end his own life. Stephen Hawking stated in an interview that he would have finished his life by using assistance if he had come to the conclusion that he was a burden on the people he adored and if he had nothing left to contribute to the knowledge of mankind. Stephen Hawking: Lesser Known Facts about Stephen Hawking #9 Stephen held the belief that human lives can be prolonged or that humans can gain a state of eternal livelihood if they get to explore space for there may be an answer to human plight there. ...and many more fascinating facts inside the book! Get to know the Real Stephen Hawking! Scroll Up and Download Now! Price Increase to in 24 hours! 100% Satisfaction Guaranteed Or Your Money Back!

stephen hawking biography: Hawking Hawking Charles Seife, 2021-04-06 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* 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.

stephen hawking biography: My Brief History Stephen Hawking, 2013-09-12 'His clarity, wit and determination are evident, his understand and good humour moving' New Scientist *My Brief History* recounts Stephen Hawking's improbable journey, from his post-war London boyhood to his years of international acclaim and celebrity. Lavishly illustrated with rarely seen photographs, this concise, witty and candid account introduces readers to a Hawking rarely glimpsed in previous books: the inquisitive schoolboy whose classmates nicknamed him 'Einstein'; the joker who once placed a bet with a colleague over the existence of a black hole; and the young husband and father struggling to gain a foothold in the world of academia. Writing with characteristic humility and humour, Hawking opens up about the challenges that confronted him following his diagnosis of motor neurone disease aged twenty-one. Tracing his development as a thinker, he explains how the prospect of an early death urged him onwards through numerous intellectual breakthroughs, and talks about the genesis of his masterpiece *A Brief History of Time* - one of the iconic books of the twentieth century. Clear-eyed, intimate and wise, *My Brief History* opens a window for the rest of us into Hawking's personal cosmos. 'Read it for the personal nuggets . . . but above all, it's worth reading for its message of hope' Mail on Sunday

stephen hawking biography: Stephen Hawking: An Unfettered Mind Kitty Ferguson, 2012-01-17 Kitty Ferguson, the award-winning and international bestselling author of *Stephen Hawking's biography*, presents an even deeper portrait of the legendary physicist's life and scientific theories. This updated edition of *Stephen Hawking: An Unfettered Mind* looks at one of the most remarkable figures of our age: the bestselling author of *A Brief History of Time*, celebrated theoretical physicist, and an inspiration to millions around the world. Ferguson offers fresh insights into the way Hawking thinks and works, his ever-more-imaginative adventures in science at the "flaming ramparts of the world," the discovery of gravity waves, the blockbuster proposal for "Starshot" to explore the cosmos, and his powerful use of his celebrity on behalf of human rights and survival on earth and beyond. With rare access to Hawking, including childhood photos and in-depth research, Ferguson creates a rich and comprehensive picture of his life: his childhood; the heartbreaking ALS diagnosis when he was a first-year graduate student; his long personal battle for survival in pursuit of a scientific understanding of the universe; and his rise to international fame. She also uses her gift for translating the language of theoretical physics into the language of the rest of us to make Hawking's scientific work accessible. This is an insightful, absorbing, and definitive account of a brilliant mind and the extraordinary life of a man who always looks towards tomorrow.

stephen hawking biography: Stephen Hawking Kitty Ferguson, 2019-03-07 In 1963 Stephen Hawking was given two years to live. Defying all the odds, he died in March 2018 at age seventy-six as the most celebrated scientist in the world. This carefully researched, and now newly updated, up-to-the-minute biography and tribute gives a rich picture of Hawking's remarkable life - his childhood, the heart-rending beginning of his struggle with motor neurone disease, his ever-increasing international fame, and his long personal battle for survival in pursuit of a scientific understanding of the universe. From more recent years, Kitty Ferguson describes his inspiring leadership at the London Paralympic Games, the release of the film *The Theory of Everything*, his continuing work on black holes and the origin of the universe, the discovery of 'supertranslations', and the astounding 'Starshot' program. Here also are his intense concern for the future of the Earth and his use of his celebrity to fight for environmental and humanitarian causes, and, finally, a ground-breaking paper he was working on at the time of his death, in which he took issue with some of his own earlier theories.

stephen hawking biography: Stephen Hawking Kitty Ferguson, 1992 Summary: The story of the life and work of the British theoretical physicist who has taken the study of cosmology farther than most in his field, despite the need for a wheelchair and computer in order to travel and communicate

stephen hawking biography: Stephen Hawking Isabel Thomas, 2019-09-30 Little Guides to Great Lives: Stephen Hawking is a biography of the famous scientist for children that blends an informative and humorous narrative with playful illustrations to immerse children in Hawking's world. Stephen Hawking was one of the world's most renowned scientists and cosmologists. His ground-breaking research into black holes and the Big Bang has helped to explain the beginnings of our universe and his book *A Brief History of Time* has sold over 10 million copies. Diagnosed with a form of motor neurone disease when he was a young man, Stephen was inspired to achieve his goals as fast as possible. Through incredible determination and skill, he became a legendary scientist, a best-selling author, and the man that changed the way we think about the universe. Stephen Hawking is part of the small format, collectible Little Guides to Great Lives series for children aged 7 and above. The back of the book features colorful illustrations, a timeline of Hawking's life and a glossary filled with scientific terms for further learning and education. A perfect gift for fans of the Little People, Big Dreams books. Praise for Little Guides to Great Lives: If you're looking to inspire your children to aim high and think big, the Little Guides to Great Lives series is the perfect place to start. The stories that the books convey tell kids that there is no limit to what they can aim for. These biographies will pique the interest of any young child who is already dreaming of their future. - GeekDad Featuring timelines, glossaries, approachable text and striking illustrations, the biographies bring these important individuals to brilliant life. - Shelf Awareness Other books in the Little Guides to Great Lives series: Amelia Earhart Anne Frank Charles Darwin Ferdinand Magellan Frida Kahlo Leonardo Da Vinci Maya Angelou Nelson Mandela

stephen hawking biography: Stephen Hawking Anita Croy, 2020-07 Stephen Hawking advanced our understanding of the universe enormously and had a huge impact on society through his bestselling book and his inspirational battle with disability. This beautifully designed biography will teach young readers about Hawking's life and research, and how his discoveries have changed our understanding of the world!

stephen hawking biography: Stephen Hawking Charles River Editors, 2015-04-15 *Includes pictures *Includes Hawking's own quotes about his life and work *Includes footnotes, online resources and a bibliography for further reading *Includes a table of contents My goal is simple. It is a complete understanding of the universe, why it is as it is and why it exists at all. - Stephen Hawking I am just a child who has never grown up. I still keep asking these 'how' and 'why' questions. Occasionally, I find an answer. - Stephen Hawking In the pantheon of great theoretical physicists that includes the names of such historical luminaries as Isaac Newton and Albert Einstein, it is, perhaps, supremely ironic that the successor to the leading scientific minds of their generations has produced such groundbreaking work in physics and cosmology, while at the same time battling one of the world's most insidious and relentless diseases. Dr. Stephen William Hawking, British mathematician, theoretical physicist, and cosmologist, is the face of twenty-first century physics, and yet cannot speak directly to his audience. For verbal communication, he relies on the use of an electronically activated vocal synthesizer. The scientist who has most notably carried the ideas of Einstein and his colleagues forward from the early-to-mid 20th century, whether in terms of explanation, rejection, or confirmation of any given question, is no longer able to move his limbs due to the incapacitating effects of ALS, Amyotrophic Lateral Sclerosis. The affliction is better known in the United States as Lou Gehrig's Disease, named after the great American baseball player. Since 2009, in fact, Hawking can no longer operate his wheelchair. With a failing body but a world-leading mind that has remained active and keen through the years, Dr. Hawking continues to fight for any means of communication that he or his scientific environment can devise, presently placing much of his attention on systems with which to translate his brain patterns into switch activations. This desperate struggle to stay connected comes at a time in which the amassing of Hawking's theories,

developed over the past half-century, seems poised to discover and affirm new solutions to the mysteries of the universe. Occupying a unique place in the history of physics, Hawking, more than Newton or Einstein, lives in the perfect era from which to stand at the threshold of new possibilities for balancing and synchronizing the theories of General Relativity, put forth by his great predecessors, and the newer field of the quantum world, hinted at in the mid-twentieth century but only more recently brought forward by leading proponents. He has devoted the lion's share of his adult life to probing the space-time described by general relativity and the singularities where it breaks down, and is, in advancing years, more driven than ever by the urge to uncover all he can about the nature of the larger universe. *Stephen Hawking: The Life of the World's Most Famous Scientist* examines the life and career of the English physicist. Along with pictures of important people, places, and events, you will learn about Stephen Hawking like never before, in no time at all.

stephen hawking biography: *Stephen Hawking* Matt Doeden, 2020-08-01 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 biography: Stephen Hawking Kitty Ferguson, 2019-10-10 Stephen Hawking was diagnosed with motor neurone disease at the age of 21 and was expected to live for only another two years. He went on to write books and deliver public lectures right up until his death at the age of 76 in 2018. Hawking achieved commercial success with several works of popular science in which he discusses his own theories and cosmology in general. His book *A Brief History of Time*, a layman's guide to cosmology, appeared on the Sunday Times best-seller list for a record-breaking 237 weeks and sold more than 10 million copies. As Martin Rees, the cosmologist, astronomer royal and Hawking's longtime colleague wrote, His name will live in the annals of science; millions have had their cosmic horizons widened by his best-selling books; and even more, around the world, have been inspired by a unique example of achievement against all the odds — a manifestation of amazing willpower and determination. In this concise and informative guide to Hawking's life and work, his key scientific achievements – from gravitational singularities to quantum cosmology – are covered in an approachable and accessible way. This is a celebration of an icon of modern physics, who inspired generations of scientists and changed our understanding of the universe.

stephen hawking biography: Theoretical Physicist Stephen Hawking Kari Cornell, 2018-01-01 Do you like to gaze at the stars? So did the young Stephen Hawking. Eventually, he turned his fascination with the night sky into a career of trying to figure out how the universe began and how it works. As a child, Hawking loved the stars and he loved math class. In college, he studied physics and cosmology, or how the universe came to be. But then he was diagnosed with amyotrophic lateral sclerosis (ALS), a disease that shuts down the nerves that control muscles. His doctors thought he had two years to live, so Hawking started working hard to meet his goals. He studied black holes and made discoveries that earned him recognition around the world. He wrote several books about the universe to help people understand his ideas. More than fifty years after his diagnosis, Hawking still has ALS, but he continues to ponder the night skies, trying to find one theory that will explain the universe.

stephen hawking biography: Stephen Hawking Michael White, John R. Gribbin, 1998 This biography pays particular attention to Hawking's scientific achievement, as well as to the tragic progress of his illness and his extraordinary will to survive and to continue working despite major progressive handicap. Two additional chapters are included in this second edition.

stephen hawking biography: Stephen Hawking Leonard Mlodinow, 2021-05-18 This “vivid and compelling account” (*The Wall Street Journal*) opens not only the inner workings of one of physics’ greatest minds, but also a view into an extraordinary friendship and the human capacity to overcome insurmountable challenges. A BEST SCIENCE BOOK OF THE YEAR (*The Telegraph*, *The Guardian*) A BEST BOOK OF THE YEAR (*New Statesmen*) One of the most influential physicists of our time, Stephen Hawking changed our understanding of the cosmos. Recalling his nearly two decades as

Hawking's collaborator and friend, Leonard Mlodinow brings this complex man into focus in an inspiring and deeply intimate portrayal. We meet Hawking the genius, who explores the mysteries of the universe; Hawking the colleague, who's able to communicate at only six words per minute but who punctuates his conversations with humor; and Hawking the friend, who can convey volumes with a frown, a smile, or simply a raised eyebrow. Mlodinow puts us in the room as Hawking indulges his passion for wine and curry, confides his feelings on love, death, and disability, and brilliantly grapples with the deepest questions of philosophy and science. This moving account of a friendship offers us invaluable lessons from one of physics' greatest practitioners about life, the universe, and the ability to overcome daunting obstacles.

stephen hawking biography: Stephen Hawking Robert Snedden, 2019-04-04

stephen hawking biography: *Who Was Stephen Hawking?* Jim Gigliotti, Who HQ, 2019-06-04
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.

stephen hawking biography: *Stephen Hawking* Gail Sakurai, 1996-09 A brief biography of the British theoretical physicist who is well-known for his advances in the study of cosmology, accomplished despite being physically limited by amyotrophic lateral sclerosis (ALS) or Lou Gehrig's disease.

stephen hawking biography: Stephen Hawking Melissa McDaniel, 1994 The revolutionary scientist who has not let Lou Gehrig's disease interfere with his discovery of black holes and other cosmic phenomena.

stephen hawking biography: Stephen Hawking Stephanie Sammartino McPherson, 2006-08-01 Examines the life and work of the British physicist who overcame the challenges of ALS to become one of the foremost scientists of the twentieth century.

stephen hawking biography: *Hawking* Jim Ottaviani, 2019-07-02 Following their New York Times-bestselling graphic novel *Feynman*, Jim Ottaviani and Leland Myrick deliver a gripping biography of Stephen Hawking, one of the most important scientists of our time. From his early days at the St Albans School and Oxford, Stephen Hawking's brilliance and good humor were obvious to everyone he met. A lively and popular young man, it's no surprise that he would later rise to celebrity status. At twenty-one he was diagnosed with ALS, a degenerative neuromuscular disease. Though the disease weakened his muscles and limited his ability to move and speak, it did nothing to limit his mind. He went on to do groundbreaking work in cosmology and theoretical physics for decades after being told he had only a few years to live. He brought his intimate understanding of the universe to the public in his 1988 bestseller, *A Brief History of Time*. Soon after, he added pop-culture icon to his accomplishments by playing himself on shows like *Star Trek*, *The Simpsons*, and *The Big Bang Theory*, and becoming an outspoken advocate for disability rights. In *Hawking*, writer Jim Ottaviani and artist Leland Myrick have crafted an intricate portrait of the great thinker, the public figure, and the man behind both identities.

stephen hawking biography: *Stephen Hawking* Michael White, John Gribbin, 2002-08-16 Originally published in 1992 to great acclaim, this updated edition traces the course of Hawking's life and science, successfully marrying biography and physics to tell the story of a remarkable man. Stephen Hawking is no ordinary scientist. With a career that began over thirty years ago at Cambridge University, he has managed to do more than perhaps any other scientist to broaden our basic understanding of the universe. His theoretical work on black holes and his progress in advancing our knowledge of the origin and nature of the cosmos have been groundbreaking—if not

downright revolutionary. Stephen Hawking has also spent much of his adult life confined to a wheelchair, a victim of ALS, a degenerative motor neuron disease. Clearly his physical limitations have done nothing to confine him intellectually. He simply never allowed his illness to hinder his scientific development. In fact, many would argue that his liberation from the routine chores of life has allowed him to focus his efforts more keenly on his science. Hawking certainly would have been remarkable for his cutting edge work in theoretical physics alone. However, he has also managed to popularize science in a way unparalleled by other scientists of his stature. He became a household name, achieving almost cult-like fame, with the release of his best-selling book, *A Brief History of Time*. Although steeped in the potentially overwhelming complexities of cosmology, he succeeded in selling millions of copies to audiences eager to learn even some of what he has to offer. Science writers White and Gribbin have skillfully painted a portrait of an indefatigable genius and a scientific mind that seemingly knows no bounds. Knitting together clear explanations of Hawking's science with a detailed personal history that is both balanced as well as sensitive, we come to know—and appreciate—both. As Stephen Hawking's new book, *The Universe in a Nutshell*, hits the best-seller lists, it is the ideal time for readers to learn more about this remarkable man and his vast body of accomplishments.

stephen hawking biography: Stephen Hawking Maria Isabel Sanchez Vegara, 2019-02-05 From the critically acclaimed Little People, BIG DREAMS series, discover the life of Stephen Hawking, the genius physicist and author. When Stephen Hawking was a little boy, he used to stare up at the stars and wonder about the universe. Although he was never top of the class, his curiosity took him to the best universities in England: Oxford and Cambridge. It also led him to make one of the biggest scientific discoveries of the 20th century: Hawking radiation. This moving book features stylish and quirky illustrations and extra facts at the back, including a biographical timeline with historical photos and a detailed profile of the brilliant physicist's life. Little People, BIG DREAMS is a best-selling series of books and educational games that explore the lives of outstanding people, from designers and artists to scientists and activists. All of them achieved incredible things, yet each began life as a child with a dream. This empowering series offers inspiring messages to children of all ages, in a range of formats. The board books are told in simple sentences, perfect for reading aloud to babies and toddlers. The hardcover versions present expanded stories for beginning readers. Boxed gift sets allow you to collect a selection of the books by theme. Paper dolls, learning cards, matching games, and other fun learning tools provide even more ways to make the lives of these role models accessible to children. Inspire the next generation of outstanding people who will change the world with Little People, BIG DREAMS!

stephen hawking biography: Stephen Hawking Hourly History, 2019-01-02 Stephen Hawking In 1963, Stephen Hawking was diagnosed with motor neurone disease and given two years to live. More than half a century later, Hawking had made some of the most significant contributions to our understanding of the universe since Albert Einstein. The world's most famous physics professor, a best-selling author, and a father of three, Stephen lived his life to its fullest. Bridging the world of theoretical physics with the reach of pop culture, Stephen Hawking became an emblem of human determination and intellectual curiosity. Inside you will read about... □ Early Life and Terminal Illness □ Hawking Radiation and Black Holes □ The Hawking Family □ A Gambling Man □ Late Life and Death And much more!

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