

Galileo For Kids His Life And Ideas 25 Activities For Kids Series

The Kitchen Pantry Scientist: Physics for Kids features biographies of 25 leading physicists, past and present, accompanied by accessible, hands-on experiments and activities to bring the history and principles of physics alive.

From the international best-selling author of Longitude, Galileo's Daughter is the fascinating story of the relationship between the great Italian scientist Galileo and his daughter, Virginia.

Secrets in the Skies delves deep into the life and discoveries of the world's most famous stargazer, Galileo Galilei, and the star-studded history of astronomy, from our prehistoric ancestors to the work of today's most brilliant scientists. In this stunningly detailed visual retelling of the birth of science, the solar system is brought to life in glorious full-colour, with breathtaking illustrations by James Weston Lewis. From his early days as a young boy in Pisa, to his fiery battles with the Roman Catholic Church, readers follow the remarkable journey undertaken by Galileo in his search for truth. As the pages turn, you can witness the ancient origins of celestial examinations, Galileo's ground-breaking invention of the telescope, his controversial trials before the Inquisition, and the crucial discoveries of the stargazer's final days. Readers young and old will marvel at the beautiful and engaging artwork, and be swept away by the dramatic story behind Galileo's stellar scientific breakthroughs, richly described by author Giles Sparrow. "If they had seen what we see, they would have judged as we judge." -- Galileo Galilei In every age there are courageous people who break with tradition to explore new ideas and challenge accepted truths. Galileo Galilei was just such a man--a genius--and the first to turn the telescope to the skies to map the heavens. In doing so, he offered objective evidence that the earth was not the fixed center of the universe but that it and all the other planets revolved around the sun. Galileo kept careful notes and made beautiful drawings of all that he observed. Through his telescope he brought the stars down to earth for everyone to see. By changing the way people saw the galaxy, Galileo was also changing the way they saw themselves and their place in the universe. This was very exciting, but to some to some it was deeply disturbing. Galileo has upset the harmonious view of heaven and earth that had been accepted since ancient times. He had turned the world upside down. In this amazing new book, Peter Sís employs the artist's lens to give us an extraordinary view of the life of Galileo Galilei. Sís tells his story in language as simple as a fairy tale, in pictures as rich and tightly woven as a tapestry, and in Galileo's own words, written more than 350 years ago and still resonant with truth. This title has Common Core connections. Starry Messenger is a 1997 Caldecott Honor Book.

What would breakfast be without cereal and milk? W.K. Kellogg changed the breakfast routine of millions of people with his invention of Corn Flakes. His company quickly grew into one of the largest food companies in America. Learn about the transformation and read up on some of the world's favorite breakfast cereals in this title for inquiring minds.

Illusionist, escape artist, movie star, aviator, and spy—Harry Houdini was all these and an international celebrity and the world's most famous magician. This fascinating biography looks at all the facets of Houdini's amazing life and includes 21 magic tricks and illusions for a hands-on learning experience. Children will be inspired by this Jewish immigrant who grew up in poverty and, through perseverance and hard work, went on to become one of the most popular and successful entertainers of all time. Houdini was an artist who created his acts carefully, practicing them for years in some cases. He performed such seemingly impossible stunts as escaping several sets of handcuffs and ropes after jumping off a bridge into a flowing river.

Kids will learn how he devised his most legendary stunts and will also learn the science and logic behind many of Houdini's acts including his famous milk can escape. Kids can amaze their family and friends with these simple, entertaining, and fun tricks and illusions: Stepping through an index card Performing an odd number trick Making a coin appear Mind reading with a secret code Making a magic box Lifting a person with one hand Making a talking board And much more

Like Michelangelo, Galileo is another Renaissance great known just by his first name--a name that is synonymous with scientific achievement. Born in Pisa, Italy, in the sixteenth century, Galileo contributed to the era's great rebirth of knowledge. He invented a telescope to observe the heavens. From there, not even the sky was the limit! He turned long-held notions about the universe topsy turvy with his support of a sun-centric solar system. Patricia Brennan Demuth offers a sympathetic portrait of a brilliant man who lived in a time when speaking scientific truth to those in power was still a dangerous proposition.

Describes the life and work of the scientist who was persecuted by the Inquisition for his views of the universe.

Story of a man who had the courage to ask questions.

Did you know that the Labrador retriever that starred in Marley and Me was a rescue dog from a shelter in Florida? His is a true rags-to-riches story! This title explores the history of animals in entertainment while highlighting some of the pet pals we have grown to love on the silver screen!

Tells the story of the life and discoveries of the famous scientist Galileo.

Be inspired by the Life and Works of Galileo Galilei. It is because of his valuable contributions to art and science that Galileo lives on, even centuries after his death. Reading about his life would create a challenge among the young. Lessons can be picked up from the pages of this incredible resource. Grab a copy today!

Examines the life and struggles of Galileo and discusses his many contributions in such areas as scientific research, physics, and astronomy.

This Student Edition of Brecht's classic dramatisation of the conflict between free enquiry and official ideology features an extensive introduction and commentary that includes a plot summary, discussion of the context, themes, characters, style and language as well as questions for further study and notes on words and phrases in the text. It is the perfect edition for students of theatre and literature Along with Mother Courage, the character of Galileo is one of Brecht's greatest creations, immensely live, human and complex.

Unable to resist his appetite for scientific investigation, Galileo's heretical discoveries about the solar system bring him to the attention of the Inquisition. He is scared into publicly abjuring his theories but, despite his self-contempt, goes on working in private, eventually helping to smuggle his writings out of the country. As an examination of the problems that face not only the scientist but also the whole spirit of free inquiry when brought into conflict with the requirements of government or official ideology, Life of Galileo has few equals. Written in exile in 1937-9 and first performed in Zurich in 1943, Galileo was first staged in English in 1947 by Joseph Losey in a version jointly prepared by Brecht and Charles Laughton, who played the title role. Printed here is the complete translation by John Willett.

"Around the world with the Fab Five; sneak previews of 1-D in 3-D"--Cover.

The marriage of art and science is celebrated in this beautifully illustrated four-color biography and activity book. Kids will begin to understand the important discoveries that da Vinci made through inspiring activities like determining the launch angle of a catapult, sketching birds and other animals, creating a map, learning to look at a painting, and much more. Includes a glossary, bibliography, listing of pertinent museums and Web sites, a timeline, and many interesting sidebars.

Chronicles the life and times of the Tuscan astronomer and physicist, focusing on his defense of the Copernican theory and his struggles with the Catholic Church.

Galileo for Kids His Life and Ideas, 25 Activities Chicago Review Press

New York Times Book Review "[S]mart, delightful... a splendidly entertaining education in ethics, activism and science." Editors's Choice, New York Times Book Review An impassioned defense of intellectual freedom and a clarion call to intellectual responsibility, Galileo's Middle Finger is one American's eye-opening story of life in the trenches of scientific controversy. For two decades, historian Alice Dreger has led a life of extraordinary engagement, combining activist service to victims of unethical medical research with defense of scientists whose work has outraged identity politics activists. With spirit and wit, Dreger offers in Galileo's Middle Finger an unforgettable vision of the importance of rigorous truth seeking in today's America, where both the free press and free scholarly inquiry struggle under dire economic and political threats. This illuminating chronicle begins with Dreger's own research into the treatment of people born intersex (once called hermaphrodites). Realization of the shocking surgical and ethical abuses conducted in the name of "normalizing" intersex children's gender identities moved Dreger to become an internationally recognized patient rights' activist. But even as the intersex rights movement succeeded, Dreger began to realize how some fellow progressive activists were employing lies and personal attacks to silence scientists whose data revealed uncomfortable truths about humans. In researching one such case, Dreger suddenly became the target of just these kinds of attacks. Troubled, she decided to try to understand more—to travel the country to ferret out the truth behind various controversies, to obtain a global view of the nature and costs of these battles. Galileo's Middle Finger describes Dreger's long and harrowing journeys between the two camps for which she felt equal empathy: social justice activists determined to win and researchers determined to put hard truths before comfort. Ultimately what emerges is a lesson about the intertwining of justice and of truth—and a lesson of the importance of responsible scholars and journalists to our fragile democracy. Booklist (starred review) "A crusader in the mold of muckrackers from a century ago, Dreger doesn't try to hide her politics or her agenda. Instead she advocates for change intelligently and passionately. Highly recommended." Kirkus (starred review): "Let us be grateful that there are writers like Dreger who have the wits and the guts to fight for truth." Jared Diamond, author of Guns, Germs, and Steel and The World until Yesterday "Alice Dreger would win a prize for this year's most gripping novel, except for one thing: her stories are true, and this isn't a novel. Instead, it's an exciting account of complicated good guys and bad guys, and the pursuit of justice."

Galileo Galilei, His Life and His Works is a biographic of Galileo Galilei. The text accounts some of the most important moments of Galileo's life, along with his contribution in physics. The first part of the text covers the major aspects of Galileo's. Part I details Galileo's life as a student, professor, courtier, and author. Part II covers the major works of Galileo, such as magnetism, weight of air, alloy analysis, materials strength, falling bodies, and natural oscillations. The book will be of great interest to readers who have a keen interest in the history of physics.

Acclaimed author-illustrator Bonnie Christensen adopts the voice of Galileo and lets him tell his own tale in this outstanding picture book biography. The first person narration gives this book a friendly, personal feel that makes Galileo's remarkable achievements and ideas completely accessible to young readers. And Christensen's artwork glows with the light of the stars he studied. Galileo's contributions were so numerous—the telescope! the microscope!—and his ideas so world-changing—the sun-centric solar system!—that Albert Einstein called him "the father of modern science." But in his own time he was branded a heretic and imprisoned in his home. He was a man who insisted on his right to pursue the truth, no matter what the cost—making his life as interesting and instructive as his ideas.

Describes the life and work of the courageous man who changed the way people saw the galaxy, by offering objective evidence that the earth was not the fixed center of the universe.

Isaac Newton was as strange as he was intelligent. In a few short years, he made astounding discoveries in physics, astronomy, optics, and mathematics— yet never told a soul. Though isolated, snobbish, and jealous, he almost single-handedly changed the course of scientific advancement and ushered in the Enlightenment. Newton invented the refracting telescope, explained the motion of planets and comets, discovered the multicolored nature of light, and created an entirely new field of mathematical understanding: calculus. The world might have been a very different place had Netwon's theories and observations not been coaxed out of him by his colleagues. Isaac Newton and Physics for Kids paints a rich portrait of this brilliant and complex man, including 21 hands-on projects that explore the scientific concepts Newton developed and the times in which he lived. Readers will build a simple waterwheel, create a 17thcentury plague mask, track the phases of the moon, and test Newton's Three Laws of Motion using coins, a skateboard, and a model boat they construct themselves. The text includes a time line, online resources, and reading list for further study. And through it all, readers will learn how the son of a Woolsthorpe sheep farmer grew to become the most influential physicist in history.

In this ebook, you're going to learn and take inspiration from the lives and works of Isaac Newton, Galileo Galilei, Albert Einstein and Stephen Hawking. Learn about their childhood, and the events that inspired them to search for scientific answers. Go ahead and grab a copy of this ebook today.

As enjoyable as it is important, this classic encompasses 30 years of highly original experiments and theories. Its lively, readable expositions discuss dynamics, elasticity, sound, strength of

materials, more. 126 diagrams.

Provides an introduction of Thomas Edison, one of the world's greatest inventors. This book helps inspire kids to be inventors and scientists. Children try Edison's experiments themselves with activities such as making a puppet dance using static electricity, manufacturing a switch for electric current, constructing a telegraph machine, and more.

Galileo, one of history's best-known scientists, is introduced in this illuminating activity book. Children will learn how Galileo's revolutionary discoveries and sometimes controversial theories changed his world and laid the groundwork for modern astronomy and physics. This book will inspire kids to be stargazers and future astronauts or scientists as they discover Galileo's life and work. Activities allow children to try some of his theories on their own, with experiments that include playing with gravity and motion, making a pendulum, observing the moon, and painting with light and shadow. Along with the scientific aspects of Galileo's life, his passion for music and art are discussed and exemplified by period engravings, maps, and prints. A time line, glossary, and listings of major science museums, planetariums, and web sites for further exploration complement this activity book.

Profiles the life of impressionist artist Pierre Auguste Renoir highlighting his childhood early career relationship with Claude Monet paintings and more. Includes a chronology historical time line suggestions for further reading and a glossary.

Galileo Galilei tells the story of 'the father of science' - covering his origins as the son of a musician through his work in astronomy and optics, his troubles with the Church and his enduring legacy today. Super Scientists are first biographies introducing some of the world's great scientists, simply retelling their lives and explaining why their work was important. Illustrated with archive images and photographs, the chronology of each lifetime is emphasized by a timeline that runs through the book. Breakthrough panels highlight key discoveries or invite children to try out simple related experiments. Ideal for children aged 6 and up.

Best known for his general theory of relativity and the famous equation linking mass and energy, $E = mc^2$, Albert Einstein had a lasting impact on the world of science, the extent of which is illuminated—along with his fascinating life and unique personality—in this lively history. In addition to learning all about Einstein's important contributions to science, from proving the existence and size of atoms and launching the field of quantum mechanics to creating models of the universe that led to the discovery of black holes and the big bang theory, young physicists will participate in activities and thought experiments to bring his theories and ideas to life. Such activities include using dominoes to model a nuclear chain reaction, replicating the expanding universe in a microwave oven, creating blue skies and red sunsets in a soda bottle, and calculating the speed of light using a melted chocolate bar. Suggestions for further study, a time line, and sidebars on the work of other physicists of the day make this an incredibly accessible resource for inquisitive children.

Here is a lively history of modern physics, as seen through the lives of thirty men and women from the pantheon of physics. William H. Cropper vividly portrays the life and accomplishments of such giants as Galileo and Isaac Newton, Marie Curie and Ernest Rutherford, Albert Einstein and Niels Bohr, right up to contemporary figures such as Richard Feynman, Murray Gell-Mann, and Stephen Hawking. We meet scientists--all geniuses--who could be gregarious, aloof, unpretentious, friendly, dogged, imperious, generous to colleagues or contentious rivals. As Cropper captures their personalities, he also offers vivid portraits of their great moments of discovery, their bitter feuds, their relations with family and friends, their religious beliefs and education. In addition, Cropper has grouped these biographies by discipline--mechanics, thermodynamics, particle physics, and others--each section beginning with a historical overview. Thus in the section on quantum mechanics, readers can see how the work of Max Planck influenced Niels Bohr, and how Bohr in turn influenced Werner Heisenberg. Our understanding of the physical world has increased dramatically in the last four centuries. With Great Physicists, readers can retrace the footsteps of the men and women who led the way.

This fictional journal is from the year in which Galileo constructed his own telescope and began to record his astronomical discoveries. Includes additional nonfiction biographical information.

"Discusses some of the worlds most high-flying circus acts and the science behind them"--

While Galileo Galilei was under house arrest, accused of heresy for his claim that the earth revolved around the sun, his daughter Virginia, a cloistered nun, proved to be her father's greatest source of strength through the difficult years of his trial and persecution. Winner of the Christopher Award and named a Notable Book of the Year by the "New York Times". Illustrations.

The book is primarily astronomical and philosophical in content, being concerned with the arguments for and against the motion of the earth. Galileo's discoveries and researches in astronomy -- the phases of Venus, the satellites of Jupiter, and the motion of sunspots -- share the main scenes with his cogent and derisive attacks upon Aristotle and his followers. The discussion of the Second Day contains many of Galileo's fundamental contributions to physics -- inertia, the laws of falling bodies, centrifugal force, and the pendulum -- as well as important historical steps in mathematics toward analytic geometry and calculus. Galileo's explanations, written in the infancy of modern science, can hardly fail to be understood today by both layman and scientist.

A biography of mathematician, physicist, and astronomer Galileo, from his early years to his confrontations with the church, his last years, and his legacy.

A new series of illustrated books specifically designed for children in elementary education, narrating the stories of those great historical figures who have left their mark on humanity in fields such as science, art, exploration, music and other subjects. Young readers will be able to read all about these famous people's main achievements, experiencing the main steps of their lives through Isabel Munoz's engaging illustrations, and finding out some curious facts about their work and success. In the six volumes of the series, children will be fascinated by the genial and revolutionary intuition of Einstein, Leonardo da Vinci's vast breadth of expertise, the incredible discoveries about space made by Galileo Galilei, Mozart's infinite musical creativity, the masterpieces created by Picasso and Van Gogh. There is an index at the end of each volume listing the main biographical events and some simple quizzes will help children to further understand and test their knowledge.

Discusses the life and career of the sixteenth-century Polish astronomer who was the first man to assert, in print, the theory that the Earth moves around the sun.

If we want nonscientists and opinion-makers in the press, the lab, and the pulpit to take a fresh look at the relationship between science and religion, Ronald L. Numbers suggests that we must first dispense with the hoary myths that have masqueraded too long as historical truths. Until about the 1970s, the dominant narrative in the history of science had long been that of science triumphant, and science at war with religion. But a new generation of historians both of science and of the church began to examine episodes in the history of science and religion through the values and knowledge of the actors themselves. Now Ronald Numbers has recruited the leading scholars in this new history of science to puncture the myths, from Galileo's incarceration to Darwin's deathbed conversion to Einstein's belief in a personal God who "didn't play dice with the universe." The picture of science and religion at each other's throats persists in mainstream media and scholarly journals, but each chapter in *Galileo Goes to Jail* shows how much we have to gain by seeing beyond the myths.

Thirteen tales dealing with the struggle of scientists toward truth in spite of opposition from religious and political forces arrayed against them. Authors include: George R.R. Martin Arthur C. Clarke Robert Silverberg Ursula K. Le Guin Keith Roberts Edgar Pangborn Chris Lawson Brendan DuBois James Alan Gardner Paul Park James Tiptree, Jr. Mike Resnick Greg Egan At the publisher's request, this title is sold without DRM (Digital Rights Management).

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