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# Along Came Galileo

Discusses the qualifications and tools needed by explorers--whether they go to the bottom of the sea or look through a microscope. This Student Edition of

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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

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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

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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

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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,

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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

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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

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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.

Examines the adventures of such early explorers of



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America as Columbus, Dias, and Cabot. Includes information on the events, society, and superstitions of the times.

Discusses the design, purpose, and excavation of the pyramids of ancient

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Egypt, the Egyptians' beliefs about death, how mummies were made, and some legends about the pyramids.

Galileo for Kids

The Scientist who Changed Everything

Gizmos and Gadgets

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From Barter to Bar Codes  
Along Came Galileo  
Along Came Google

A simple introduction to  
the sun, its  
characteristics, and its  
importance.

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Tells what moonlight is, what keeps the moon in the sky, its effect on the Earth, and what it is like, and discusses the satellites of the other planets.

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"In this handy little book, Bendick presents basic information about plants and animals of the tide pool, describing them and discussing their food web as well as their

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adaptation to this unique ecosystem." --Booklist  
Follows the adventures of the thirteenth-century Venetian merchant who wrote a famous account of his travels in Asia and

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his life at the court of  
Kublai Khan.

How to Make a Cloud

Watcher of the Skies

A Kid's Science Museum in  
a Book

Companions to the Planets

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Life Of Galileo

A Young Patriot

An "intriguing and accessible" (Publishers Weekly) interpretation of the life of Galileo Galilei, one of history's greatest and most fascinating scientists, that sheds new light on his discoveries and



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how he was challenged by science deniers. “We really need this story now, because we’re living through the next chapter of science denial” (Bill McKibben). Galileo’s story may be more relevant today than ever before. At present, we face enormous crises—such as

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minimizing the dangers of climate change—because the science behind these threats is erroneously questioned or ignored. Galileo encountered this problem 400 years ago. His discoveries, based on careful observations and ingenious experiments, contradicted

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conventional wisdom and the teachings of the church at the time. Consequently, in a blatant assault on freedom of thought, his books were forbidden by church authorities. Astrophysicist and bestselling author Mario Livio draws on his own scientific

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expertise and uses his “gifts as a great storyteller” (The Washington Post) to provide a “refreshing perspective” (Booklist) into how Galileo reached his bold new conclusions about the cosmos and the laws of nature. A freethinker who followed the evidence

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wherever it led him, Galileo was one of the most significant figures behind the scientific revolution. He believed that every educated person should know science as well as literature, and insisted on reaching the widest audience possible, publishing his books in

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Italian rather than Latin. Galileo was put on trial with his life in the balance for refusing to renounce his scientific convictions. He remains a hero and inspiration to scientists and all of those who respect science—which, as Livio reminds us in this “admirably clear

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and concise" (The Times, London) book, remains threatened everyday. Discusses different kinds of cars and trucks, how they are designed and built, how they operate, and their varied uses.

Recounts skirmishes and major campaigns by a soldier who

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enlisted at age fifteen and served seven years with Washington's Continental Army

Discusses different kinds of cars and trucks, the operation of several types of auto engines, and five problems resulting from the use of the automobile.



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The Future Explorers' Club Meets Here

Egyptian Tombs

The Story of the Stars, Planets, and Constellations--and How You Can Find Them in the Sky

A History of Library Digitization

Immortals of Science

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Explorabook

*Many of the things you know about science began with Archimedes. What was so unusual about a man who spent almost his whole life on one small island, more than two thousand years ago? Many things about Archimedes were unusual. His mind*

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*was never still, but was always searching for something that could be added to the sum of things that were known in the world. No fact was unimportant; no problem was dull. Archimedes worked not only in his mind, but he also performed scientific experiments to gain knowledge and*

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*prove his ideas.*

*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*

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*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*

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*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*

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*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.*

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*Sixteenth century Italy produced a genius who marked the world with his studies and hypotheses about mathematical, physical and astronomical truths. His father, musician Vincenzo Galilei said, "Truth is not found behind a man's reputation. Truth appears only when*



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*the answers to questions are searched out by a free mind. This is not the easy path in life but it is the most rewarding.” Galileo challenged divine law and the physics of Aristotle, and questioned everything in search of truths. And it was through this quest for truth that he was able to establish a*

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*structure for modern science.*

*Archimedes and the Door of Science is a child-friendly biography of ancient Greek mathematician and scientist, Archimedes. Through her simple explanation and charming illustrations, author Jeanne Bendick describes the life of this great man, as well as the*

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*enormous impact his discoveries have had on the world in the 2,200 years since his death. Author and artist Jeanne Bendick (b. 1919 - d. 2014) wrote and illustrated over 100 children's books over her long career, primarily in the field of science. She was particularly adept at reducing*

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*complex scientific principles into simple language that children could understand, helping to pique their interest in science and the people who made these early discoveries. Bendick was taught to draw by her maternal grandfather, who was himself an artist. He took her to the American Museum*

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*of Natural History on Sundays as a child, which helped to foster her interest in science and history. After earning her Bachelor of Arts degree at the Parsons School of Design in New York City in 1939, she and her television and film producer husband put their work on hold to devote*

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*themselves to the World War II effort. After the war, the couple returned to their creative endeavors, and Bendick began writing and illustrating her own books. Archimedes and the Door of Science (1962) is light and easy-to-understand for the young reader. Part-biography and part-science primer, the*

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*book turns the life of a man who lived thousands of years ago into a source of interest and inspiration. The book begins by painting a picture of life in ancient Greece and explaining how young Archimedes would have fit within it. Focusing on the day-to-day home and school life of the boy,*

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*readers are able to compare the similarities and differences to their own lives. Bendick explains many of Archimedes' inventions and discoveries in a way that both children and adults will be able to understand. From the Archimedes screw, which is still used today for irrigation purposes,*



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*to a simple pulley that could move an entire ship, she tells the stories behind these inventions (to the best of modern knowledge) and why they work, illustrated with charming line drawings. These help to clarify some of the more complex ideas and aid in the storytelling of the great man's life.*

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*She also includes some simple experiments that kids can replicate themselves to demonstrate the great mathematician's discoveries, such as using a pencil stub as a hydrometer to test the density of liquids. Bendick is also honest about Archimedes' shortcomings. In the field of*

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*astronomy, for example, he thought that the distance to the furthest star in the sky was so short that it would have been within our own solar system. He estimated the earth's circumference to be ten times larger than it is. And he stated that the sun was at least thirty times larger than the moon. While he*

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*was technically correct, the sun is in fact over 1,300,000 times larger than the moon. "Most of the things you know about science would have dazzled and bewildered him," writes Bendick. "But many of the things you know about science begin with Archimedes." Other books by Jeanne*

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*Bendick include Galen and the Gateway to Medicine, The First Book of Space Travel, and her final children's book, Herodotus and the Road to History published when she was 91. "If I were a fairy godmother," she said, "my gift to every child would be curiosity."*

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*Archimedes and the Door of Science*

*Visitors from Space*

*The Stars*

*Exploring an Ocean Tide Pool*

*Automobiles*

*How Much How Many Bendick*

An incisive history of the

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controversial Google Books project and the ongoing quest for a universal digital library Libraries have long talked about providing comprehensive access to information for everyone. But when Google announced in 2004

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that it planned to digitize books to make the world's knowledge accessible to all, questions were raised about the roles and responsibilities of libraries, the rights of authors and publishers, and whether a powerful



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corporation should be the conveyor of such a fundamental public good. Along Came Google traces the history of Google's book digitization project and its implications for us today. Deanna Marcum and Roger Schonfeld

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draw on in-depth interviews with those who both embraced and resisted Google's plans, from librarians and technologists to university leaders, tech executives, and the heads of leading publishing houses. They look at earlier digital

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initiatives to provide open access to knowledge, and describe how Google founders Sergey Brin and Larry Page made the case for a universal digital library and drew on their company's considerable financial resources to make it a

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reality. Marcum and Schonfeld examine how librarians and scholars organized a legal response to Google, and reveal the missed opportunities when a settlement with the tech giant failed. Along Came Google sheds light on the

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transformational effects of the Google Books project on scholarship and discusses how we can continue to think imaginatively and collaboratively about expanding the digital availability of knowledge.

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This charming exploration of the night sky -- featuring a star finder and glow-in-the-dark stickers -- which has more than a quarter of a million young astronomers enjoying the night sky in countries around the world, is now

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completely revised and updated. A Child's Introduction to the Night Sky is the perfect introduction to the always fascinating world of astronomy. Children ages eight and up will find out what astronomers have learned (and are still

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discovering), what astronauts and scientists explore, and what they can find by gazing up into the sky at night. Author Michael Driscoll explains how stars are born, the achievements of the great scientists the history of space exploration, the



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story of our solar system, the myths behind the constellations, how to navigate the night sky, and more. Whimsical color illustrations throughout and handy definitions and sidebars help engage younger readers and develop their interest.

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Also included are a nifty star finder tool and fun glow-in-the-dark stickers.

“Demonstrates an awesome command of the vast Galileo literature . . . [Wootton] excels in boldly speculating about Galileo’s

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motives" (The New York Times Book Review). Tackling Galileo as astronomer, engineer, and author, David Wootton places him at the center of Renaissance culture. He traces Galileo through his early rebellious years; the beginnings of

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his scientific career constructing a “new physics”; his move to Florence seeking money, status, and greater freedom to attack intellectual orthodoxies; his trial for heresy and narrow escape from torture; and his house arrest and

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physical (though not intellectual) decline. Wootton also reveals much that is new—from Galileo's premature Copernicanism to a previously unrecognized illegitimate daughter—and, controversially, rejects the long-

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established belief that Galileo was a good Catholic. Absolutely central to Galileo's significance—and to science more broadly—is the telescope, the potential of which Galileo was the first to grasp.

Wootton makes clear that it totally

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revolutionized and galvanized scientific endeavor to discover new and previously unimagined facts. Drawing extensively on Galileo's voluminous letters, many of which were self-censored and sly, this is an original, arresting, and highly

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readable biography of a difficult, remarkable Renaissance genius. Selected as a Choice Outstanding Academic Title in the Astronautics and Astronomy Category

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Galileo's inner world, Wootton assures himself a high rank among the most radical recent Galileo interpreters . . . Undoubtedly Wootton makes an important contribution to Galileo scholarship." —America magazine

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“Wootton’s biography . . . is engagingly written and offers fresh insights into Galileo’s intellectual development.” —Standpoint magazine

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

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Once Upon a Starry Night  
Human Senses  
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stories behind 10 great  
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blocking make this a beautiful addition to the series. Ages 6 and up

Acclaimed author-illustrator Bonnie Christensen adopts the voice of Galileo and lets him tell his own tale in this outstanding picture book

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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

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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

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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.



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Traces the story of the enigmatic scientist while revealing how he was able to make his pivotal discovery about how the earth revolves around the sun in spite of

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limited technology and the obscure belief systems of his contemporaries, in an account that traces the crucial role played by Copernicus's associate, Georg Joachim Rheticus. 35,000 first printing.

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Explorers Who Got Lost

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*Tells where comets come from, how*

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*they glow, and what happens to them, and discusses asteroids and the difference between meteoroids, meteors, and meteorites.*

*Like Michelangelo, Galileo is another Renaissance great known just by his first name--a name that*

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*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*

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*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*

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*speaking scientific truth to those in power was still a dangerous proposition.*

*The San Francisco Exploratorium squeezed between the covers of a book! The "pages" reflect, magnify, or grow as you follow the*

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*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*

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*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,*

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*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*

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***what they are called,  
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childhood of each famous***

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How the Scientific  
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