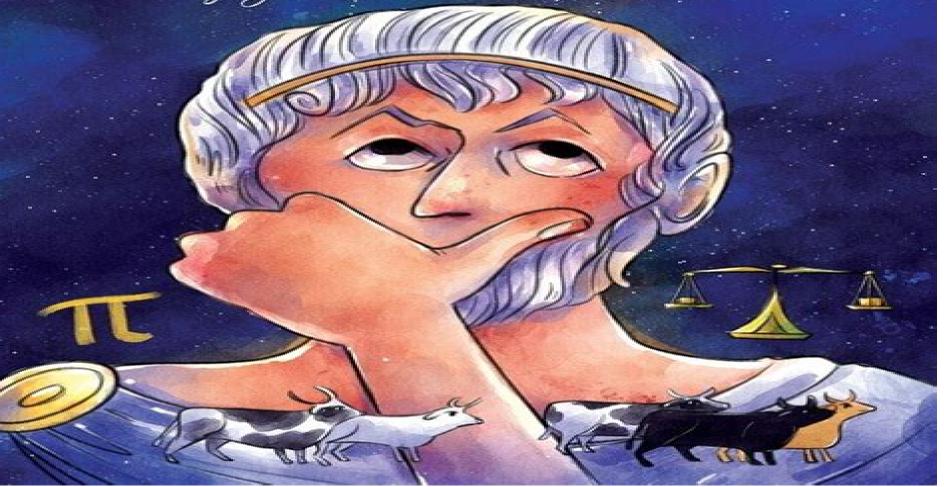
# ARCHIMEDES DOOR OF SCIENCE

by Jeanne Bendick



# **Archimedes And The Door Of Science**

**Jeanne Bendick** 

#### **Archimedes And The Door Of Science:**

Archimedes and the Door of Science Jeanne Bendick, 2022-07-25 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 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 prove his **Archimedes and the Door of Science** Jeanne Bendick, 2022-07-25 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 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 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 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 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 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 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 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 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 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 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 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

ILL REQUEST: Archimedes and the Door of Science Jeanne Bendick, 2018 Archimedes and the Door of Science ... Illustrated by the author Jeanne Bendick, 1964 Archimedes Jeanne Bendick, 2022 **Stepping Stones to Science** Kendall Haven, 1997-09-15 Bring science to life with these 13 action packed stories about famous scientists Students will learn basic skills and procedures of science while learning about such people as Shirley Jackson Charles Goodyear and James Wright The historically accurate accounts cover varied aspects of physical biological and earth sciences Stepping Stones to Science has been used as a recommended text at Clarion University of Pennsylvania Marvels of Science Kendall Haven, 1994-04-15 These 50 tales take just minutes to read but amply illustrate scientific principles and the evolution of science through history Discussion questions and additional references are included and stories are cross indexed by year of occurrence and by scientist Focusing on the characters events and moments of genius that comprise the story of science these 50 short reads are ideal for both read alouds and reading assignments. The tales take just minutes to read but amply illustrate scientific principles and the evolution of science through history Discussion guestions and additional references correlate each story with elements of the science curriculum and provide direction for students to pursue their own Distinguished Figures in Mechanism and discoveries Stories are cross indexed by year of occurrence and by scientist Machine Science: Their Contributions and Legacies Marco Ceccarelli, 2007-08-17 This is the rst volume of a series of edited books whose aim is to collect contributed papers in a framework that can serve as a dictionary of names of individuals who have made contributions to the discipline of MMS Me anism and Machine Science This dictionary project has the peculiarity that through descriptions of the ideas and work of these individuals the papers will illustrate mainly technical developments in the historical evolution of the individual elds that today de ne the scope of MMS Thus the core of each contribution will be a survey of biographical notes describing the efforts and experiences of these people Finding appropriate technical experts as authors for such papers and couraging them to write them has been a challenge it is a demanding and time consuming effort to produce such in depth articles that delve deeply into the historical background of their topics of expertise This rst volume of the dictionary project has been possible thanks to the invited authors who have enthusiastically shared the initiative and have spent time and effort in prep ing papers that have the novel characteristics of survey and historical notes The papers in this volume cover the wide eld of the History of Mechanical Engineering with speci c focus on MMS I believe that a reader who takes advantage of the papers in this book as well as future ones will not further satisfaction Science and Music Lior, 2013-02-15 The book is describing how the and motivation for her or his work historical or not

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