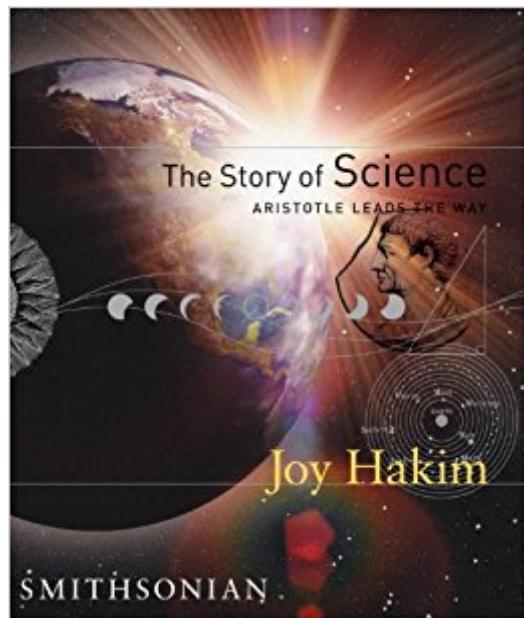


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# The Story Of Science: Aristotle Leads The Way



## **Synopsis**

Readers will travel back in time to ancient Babylonia, Egypt, and Greece. They will meet the world's first astronomers, mathematicians, and physicists and explore the lives and ideas of such famous people as Pythagoras, Archimedes, Brahmagupta, al-Khwarizmi, Fibonacci, Ptolemy, St. Augustine, and St. Thomas Aquinas. Hakim will introduce them to Aristotle— one of the greatest philosophers of all time— whose scientific ideas dominated much of the world for eighteen centuries. In the three-book The Story of Science series, master storyteller Joy Hakim narrates the evolution of scientific thought from ancient times to the present. With lively, character-driven narrative, Hakim spotlights the achievements of some of the world's greatest scientists and encourages a similar spirit of inquiry in readers. The books include hundreds of color photographs, charts, maps, and diagrams; informative sidebars; suggestions for further reading; and excerpts from the writings of great scientists.

## **Book Information**

Lexile Measure: 950L (What's this?)

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Age Range: 12 and up

Grade Level: 7 and up

## **Customer Reviews**

Starred Review. Grade 8 UpIn this first book in a projected series of six, Hakim has interwoven creation myths, history, physics, and mathematics to present a seamless, multifaceted

view of the foundation of modern science. The acknowledgments page reads like a Who's Who of the academic physics world, thanking the many researchers and experts who provided fact checking and advice. The entire volume is beautifully organized and the multidisciplinary approach to science is immediately apparent from the table of contents. Chapter headings contain subheadings prefaced by an image that indicates the focus of the chapter—science, math, language arts, technology and engineering, geography, or philosophy. Full-color photos and illustrations appear throughout; quotes and sidebars offer related information. The text never suffers from oversimplification and the writing holds its own with the many compelling visuals. Only a slight amount of fictionalization is evident with the author occasionally suggesting the possible thoughts of ancient groups pondering the mysteries of the universe. At its essence, the book displays the most appealing aspect of science and mathematics: that advances result from a practical need solved by curious minds.

—Courtney Lewis, Wyoming Seminary College Preparatory School, Kingston, PA Copyright © Reed Business Information, a division of Reed Elsevier Inc. All rights reserved.

**\*Starred Review\*** Gr. 5-8. Hakim opens the new *Story of Science* series with a book guaranteed to kick the history of science up a notch. Dividing the text into manageable sections with zingy titles ("Why Mars Is a Little Loopy"), she livens the writing with questions, asides, and changes of tense; recaps, restates, and refers back to important points; strews color illustrations with substantial captions thickly throughout; and sprinkles it all with fresh insights. Best of all, she respects the ability of young readers to absorb difficult ideas--whether that's early developments in physics, or the discovery and refinement of mathematics and geometry. She'll keep visual learners rapt, too, with lucid diagrams, photos, and art reproductions, and instead of drawn maps, she includes dramatic, lightly labeled satellite photos. Hakim does make a few bobbles (the Euclidian axiom "the whole is greater than the part" is incorrectly stated as "the whole is greater than the sum of its parts"), and her glances toward Asia and ancient Central America are too brief to change the Eurocentric focus. Still, this account of modern science's dawn, up to the revolution engendered by moveable type, presents a rare mix of visual appeal, intellectual content, and lively personal voice that will propel readers to the end and leave them impatient for more. John Peters  
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I love the way Hakim weaves in history and personal stories and purchased all three books! In my opinion does a better job than Tiner's series. Can't comment on Bauer's series as they came out

later than Hakim's and I'm not familiar with them. The reason I didn't rate these books 5 stars are because the pages are too busy with information snippets - may be hard for many readers to stay with the main reading. Also, please be aware that even though the title is "The Story of Science" it doesn't cover biological and earth sciences so it really isn't the "full" story of science. I used traditional approach for homeschooling middle school aged children and these 3 books worked really well as my science spine, supplementing with the library, YouTube and other resource. Even though I'm done with homeschooling, have retained these books in my library as they are still fun to pick up and read. My sister who recently visited with her elementary kids picked it up and read some of the stories with her kids before bed. Given the way the book is constructed - might be good for a waiting room environment or bathroom reading.

Good for middle or junior high students, especially when homeschooling. I bought it for my freshman homeschooler who is doing senior high school and freshman college courses, and he didn't like it, stating it was too simplistic.

I use it for homeschooling. Fun to read, absolutely full of food for thought. Somewhere between a science and a history book, it brings you into the world of ancient people and how they thought of the world with the knowledge they had. We're about halfway through the book. I read it aloud to my 2nd and 5th graders - they beg for more. But this book is so full of information, I limit them to a chapter a day so they can process and narrate what they've already heard. Joy Hakim's style is engaging and fun, never dull and dry.

My 10 year old daughter is using this textbook in an online course through the Gifted Homeschoolers Forum. Its a lovely introduction to science as the growth and development in human knowledge. It introduces science as a narrative as humans observed and theorized and tested their theories about science. My daughter clearly finds classical history far more entertaining than I ever did as a result of this textbook! I'm excited that she will have this approach to science for three years as we follow Joy Hakim into the modern era over time.

I have read many a books on history of science and scientific developments. I did not believe the reviews I read about this series until I read it. This series does not hijack the human history of scientific pursuance to europe/greece on one end and Benjamin franklins america on the other. Its a real and authentic reflection of the way the subject has developed throughout the world.

This book is fabulous. As a homeschooler, I find it difficult to purchase science curriculum that is secular. Joy Hakim wrote a fantastic history series that we use, and now I am hooked on her science series as well. We started reading this book, and she ties scientific thought together with historic events in such a beautiful, understandable way. I think this book is appropriate for all ages, as it is a good introduction for younger students and a good review for your high schoolers. I went on to purchase the other two books in the series.

beautiful book - bought for homeschooling my kids (under age 10) and unfortunately some of it (there's a lot of geometry) goes over their heads but it'll be a great read when they can understand it better.

Purchased for my 13 year old science enthusiast and he loves it.

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