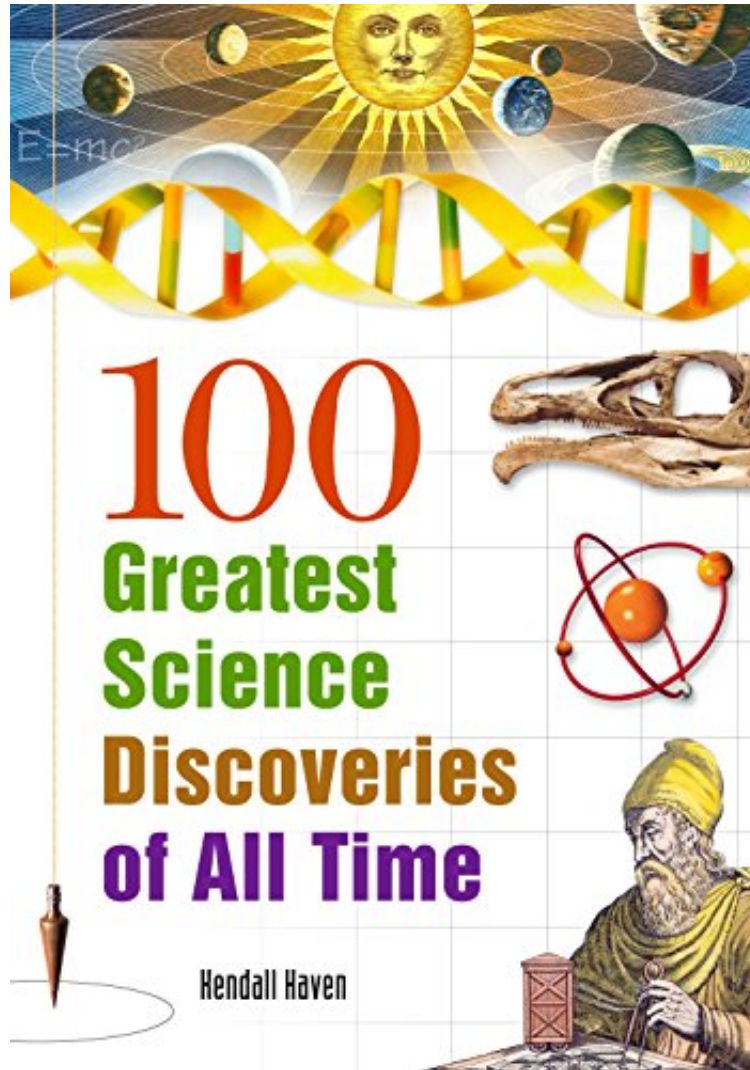


100 Greatest Science Discoveries of All Time

Kendall Haven

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history of science as well as what humanity is capable of. Paul Gehrman, Author, Kaleidoscope

Brimming with fascinating and fun facts about 100 scientific breakthroughs, this collection presents the real stories behind the history of science, at the same time offering a panoramic overview of the history of science and an introduction to some of the most important scientists in history. Grades 6 and up. Throughout history, science has changed lives and dramatically altered the way in which the universe is perceived. Focusing on the 100 most significant scientific events of all time from Archimedes' discovery of the two fundamental principles underlying physics and engineering (levers and buoyancy) in 260 B.C.E. to human anatomy, Jupiter's moons, electrons, black holes, the human genome, and more, storyteller Kendall Haven has created a ready reference for those seeking information on science discoveries.

"A former research scientist, Haven is now a nationally-recognized master storyteller and author of numerous books. His latest offering for students and interested general readers briefly describes the 100 scientific discoveries which have had the greatest impact on the development of human science and thinking, from Archimedes' discovery of the two fundamental principles underlying physics and engineering to recent work on the human genome. The text provides not only information on science discoveries, but also on the process of doing science and insights into the lives key people in the field. Each entry includes a definition of the discovery and its name, the year of discovery, discovering scientist, why it ranks as one of the 100 greatest, how it was discovered, and a reference list." - SciTech Book News "Listed in chronological order, the discoveries range from young Archimedes's description of levers (ca. 260 B.C.E.) and Vesalius's revolutionary study of human anatomy (1543) to Neils Bohr's theory of atomic bonding (1913) and the mapping of the human genome (2003). The author opens each entry with a lucid justification for its inclusion, goes on to relate each discovery's circumstances in a lively way (Tipped off that Franklin had new information, Crick stole one of the Rosalind's X-shaped X-rays), and concludes with a substantial reading list. [w]ould make a useful supplemental resource for students of the history of science." - School Library Journal "While this reference is indicated for students grades 6 and up, it's reviewed here for its importance and relevance to many a high school to adult reader who wants a chronological chart of the most notable scientific discoveries, from Archimedes' discovery of the two basic principles underlying physics to discoveries about human anatomy and black holes. From health to astronomy, fun facts about these scientific breakthroughs gather the real stories behind discoveries and reveal how scientists work to prove or disprove theories." - California Bookwatch "Each discovery is described in two pages and has the year of discovery, an inset box with What is it? and Who discovered it? A paragraph defends Why is this one of the 100 greatest? and continues with How it was discovered. Fun Facts are shown with a light bulb icon, and a More to explore bibliography will have six or more citations for further research. In settling students at the beginning of each class, science teachers may choose to read one of these entries either one day or stretch it over two days. While it belongs on the reference shelf, you may want to have one or more copies for your circulating collection. This is a winner and you will want to book talk it for your science teachers as soon as your copy arrives. Helping them integrate this content into their curriculum will help make science more important to students who might be less interested." - GALE Reference for Students About the Author Kendall Haven is a nationally recognized master storyteller and the author of numerous books, including *Marvels of Math*, *Write Right!*, and *Close Encounters with Deadly Dangers*. A former research scientist, he is based in Fulton, California.