About Einstein

BOOKS

Albert Einstein
by Ibi Lepeskcy.
Looks at Albert, the playful child with an active imagination.
Available in Spanish as Albert. ☀

Albert Einstein: A Life of Genius
by Elizabeth MacLeod.
Uses photographs, cartoons, and quotations to tell Einstein’s story.

Albert Einstein: Genius Behind the Theory of Relativity
by Fiona Macdonald.
Discusses Einstein’s personal, professional, and political lives.

Einstein: His Life and Times
by Philipp Frank.
Paints an intimate portrait of Einstein as seen through the eyes of a colleague and close friend.

Genius: A Photobiography of Albert Einstein
by Marfé Ferguson Delano.
National Geographic, 2005.
Simplifies Einstein’s theories and illustrates his life and times with historical photographs and artifacts.

The New Quotable Einstein
by Alice Calaprice, ed.
Prepares a comprehensive selection of Einstein’s commentary on a variety of topics.

Odd Boy Out: Young Albert Einstein
by Don Brown.
Focuses on Einstein’s unique brilliance and misunderstood childhood in picture-book biography format.

WEB SITES

American Museum of Natural History Einstein Exhibit
www.amnh.org/exhibitions/einstein
Features a comprehensive overview of Einstein’s life, work, philosophy, and legacy.

Einstein Archives Online
www.alberteinstein.info
Serves as a digitized archive of Einstein’s personal, professional, and biographical documents, including many of his handwritten papers.

Jewish-American Hall of Fame Einstein Exhibit
www.amuseum.org/jahf/virtour/page20.html#alberteinstein
Features a collection of medals and coins from around the world with Einstein’s image and an interactive quiz to test your knowledge of the scientist.

NOVA—Einstein Revealed
WGBH Boston Video, 1996.
Gives a biographical portrait of Einstein based on his letters and explains the fundamentals of his key discoveries.

NOVA—Einstein’s Big Idea
WGBH Boston Video, 2005.
Dramatizes the stories of the men and women whose innovative thinking across four centuries led to Einstein’s bold breakthrough.

VIDEO

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The following icons indicate recommended audience for resources:

☀ Young Children
☉ Children
★★ Young Adult
☆ Adult
Inspire Your Inner Scientist

BOOKS

Explores the innovative thinkers behind each piece of the equation, its synthesis by Einstein, and its impact on society.

Details the challenges that du Châtelet faced in an intellectual environment that excluded the participation of women.

Tells the story of the bookbinder who laid the groundwork for the modern scientific concept of energy.

Investigates Meitner’s life and work, including her discovery of nuclear fission.

Describes the life and career of Lise Meitner.

Relates the story of the Scotsman whose brilliant mathematics helped to define the nature of light.

Profiles 15 women who have won or contributed significantly to a Nobel Prize in science.

Depicts, in graphic-novel format, episodes involving Einstein, Feynman, Oppenheimer, Bohr, and others.

WEB SITES

American Institute of Physics History Exhibits
www.aip.org/history/exhibits.html
Offers online exhibits of Einstein, Curie, Heisenberg, and Lawrence, and includes an audio tour of the discovery of fission.

NOVA—Einstein’s Big Idea
www.pbs.org/nova/einstein
Examines the scientists before Einstein who helped pave the way to our modern understanding of energy, mass, and the speed of light (Ancestors of E = mc²).

VIDEO

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Dramatizes the stories of the men and women whose innovative thinking across four centuries led to Einstein’s bold breakthrough.

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Young Adult
Adult

WEB SITE

World Year of Physics 2005—Einstein@Home
Offers the opportunity, by running a screensaver on your home computer, to help scientists study waves in space.
The Legacy of $E=mc^2$

New Discoveries and Understandings

BOOKS

Albert Einstein and the Theory of Relativity
by Robert Cwiklik.
Explains how Einstein’s novel ideas changed
the way we think about matter, time, space,
gravity, and light.

E=mc²: A Biography of the World’s Most Famous Equation
by David Bodanis.
Examines the innovative thinkers behind
each piece of the equation, its synthesis by
Einstein, and its impact on society.

Einstein 1905: The Standard of Greatness
by John S. Rigden.
Focuses on the impact of Einstein’s work
during 1905—the “miraculous year” when
he published $E=mc^2$ and four other
universe-changing papers.

Einstein’s Cosmos: How Albert Einstein’s Vision Transformed Our Understanding of Space and Time
by Michio Kaku.
Presents Einstein’s complex theories as
simple visual images, like speeding trains,
falling elevators, and moving clocks.

NOVA—Einstein’s Big Idea
www.nova.org/einstein
Presents the myriad inventions and
discoveries that owe their existence to
$E=mc^2$ (The Legacy of $E=mc^2$) and tells how
$E=mc^2$ figures into the cutting-edge research of three young physicists
(The Equation Today).

TIME Person of the Century
www.time.com/time/time100/poc/magazine/albert_einstein5a.html
Summarizes Einstein’s singular impact on
science and history.

The Manhattan Project

BOOKS

American Prometheus: The Triumph and Tragedy of J. Robert Oppenheimer
by Kai Bird and Martin J. Sherwin.
Presents the story of Oppenheimer’s life
and work—before, during, and after the
Manhattan Project.

Fallout
by Jim Ottaviani, et al.
Explores, in graphic-novel format, the
Manhattan Project and the personalities of
some of the key scientists involved.

Manhattan Project: America Makes the First Atomic Bomb
by Don E. Beyer.
Gives an overview of life at Los Alamos, and
shows how these events still affect
international relations today.

Now It Can Be Told: The Story of the Manhattan Project
by General Leslie R. Groves.
 Tells of the political, logistical, and personal
problems of the project’s leader during the
race to build the bomb.

WEB SITES

Atomic Museum, New Mexico
www.atomicmuseum.com/tour/manhattanproject.cfm
Presents information and photos concerning
the Manhattan Project and other topics
related to nuclear science.

Manhattan Project Heritage
Preservation Association
www.childrenofthemanhattanproject.org
Offers detailed history and first-person
accounts related to the Manhattan
Project.

VIDEOS

The American Experience—Race for the Superbomb
Traces the creation of the atomic bomb and
the birth of the nuclear arms race.

The Day after Trinity
Documents the Manhattan Project and the
subsequent nuclear arms race, compiled
from Oppenheimer and other participants’
own commentaries.

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