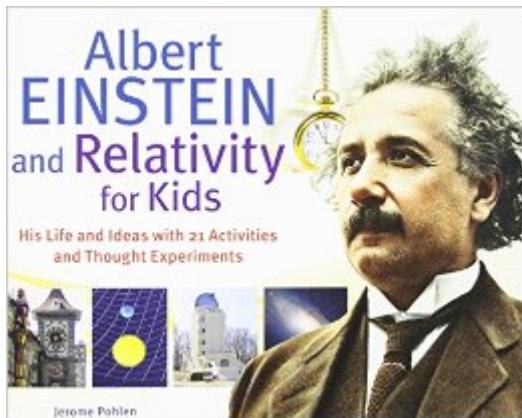


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# Albert Einstein And Relativity For Kids: His Life And Ideas With 21 Activities And Thought Experiments (For Kids Series)



## **Synopsis**

Winner of:2013 VOYA Nonfiction Honor List Selection

Best known for his general theory of relativity and the famous equation linking mass and energy,  $E = mc^2$ , Albert Einstein had a lasting impact on the world of science, the extent of which is illuminated "along with his fascinating life and unique personality" in this lively history. In addition to learning all about Einstein's important contributions to science, from proving the existence and size of atoms and launching the field of quantum mechanics to creating models of the universe that led to the discovery of black holes and the big bang theory, young physicists will participate in activities and thought experiments to bring his theories and ideas to life. Such activities include using dominoes to model a nuclear chain reaction, replicating the expanding universe in a microwave oven, creating blue skies and red sunsets in a soda bottle, and calculating the speed of light using a melted chocolate bar. Suggestions for further study, a time line, and sidebars on the work of other physicists of the day make this an incredibly accessible resource for inquisitive children.

## **Book Information**

Lexile Measure: 1020L (What's this?)

Series: For Kids series

Paperback: 144 pages

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Average Customer Review: 4.7 out of 5 stars See all reviews (39 customer reviews)

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Age Range: 9 - 12 years

Grade Level: 4 and up

## **Customer Reviews**

I picked up my copy of Albert Einstein and Relativity for Kids: His Life and Ideas with 21 Activities

and Thought Experiments, and could not put it down. Lucky for me, I found distraction-free time to read it on a three-hour flight. This made it easy to savor every word of the book's 126 pages and study the historic black and white photographs. I'll start by disclosing that my daughter is a college junior studying geology, requiring that she take several advanced physics classes. She has accelerated my interest in science by patiently sharing with me, in layman's terms, some of what she has learned through her own studies. I am well aware that not all readers share my thirst for knowledge on the subject of science, but that thirst is not a requirement for thoroughly enjoying this book. Albert Einstein's scientific contributions to the world were so great that any person, age 9 and older can greatly benefit from reading this book. As I finished the last page of *Albert Einstein and Relativity for Kids*, I thought about how the general public has come to believe Einstein, a scientist with unkempt hair, who never wore socks, was a brilliant man- so brilliant that we cannot possibly understand the basics of what his scientific theories mean. Author and science teacher, Jerome Pohlen proves that all wrong. Through his clear and clever explanations, Pohlen will help children (and adults!) understand the primary elements of the equation  $E=mc^2$  and the basic principals of Special Relativity and General Relativity, as well as all of Einstein's other scientific discoveries. Surely, explaining complicated theories on physics to children is an imposing task, so I must highly commend the author on his success.  $E=mc^2$  "Mass and energy, different forms of the same thing.

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