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TIME For Kids Big Book Of Science Experiments: A Step-by-step Guide



Synopsis

TIME For Kids' successful Super Science Book just got bigger and better-with the all-new Big Book of Science Experiments. This full-color and expanded hardcover book presents 100 fresh and fascinating experiments for kids 8 to 12 to wrap their heads (and hands) around. The inquiry-based experiments cover aspects of physical, life and earth science, and dovetail with the school science curriculum. The intriguing experiments were created by the experts at Mad Science, the world's leading science enrichment provider. Probing questions to be explored include: How does oil affect plants? Which traits do you share with your family? Can a battery turn a nail into a magnet? Clear and colorful step-by-step directions accompany each experiment so children can easily follow the procedure. Additional background information and fun facts for each experiment lets kids know how it affects them and their world, explains the science behind what they've just done, and gives concrete extensions and ways to learn more about each subject. A Science Fair chapter gives readers winning ways to present material to the public, including how to create visuals to display results, how to use and control variables, and how to tackle the scientific process.

Book Information

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Average Customer Review: 4.7 out of 5 stars [See all reviews](#) (71 customer reviews)

Best Sellers Rank: #26,105 in Books (See Top 100 in Books) #20 in [Books > Children's Books > Science, Nature & How It Works > Experiments & Projects](#) #28 in [Books > Children's Books > Education & Reference > Science Studies > Nature > Weather](#) #35 in [Books > Science & Math > Science for Kids](#)

Age Range: 9 - 12 years

Grade Level: 3 and up

Customer Reviews

I'm a sucker for any book that gives kids hands-on learning. There's much to like about this book:

it's 4-color; full of photographs, drawings, and factoids; and contains interesting science experiments that most kids can complete with minimal adult supervision. Each experiment is nicely detailed, with simple steps, so the outcome should be successful (always a boon!). There's a section on Life Science ("Which Part of Your Arm is Most Sensitive?"), another on Earth Science ("Are Clouds Salty?"), another on Physical Science ("How Can I Make a Soda Bottle Spin?") and a fourth on Technology and Engineering ("Which Shoe is Best for a Big Hike?"). Each experiment concludes with a "The Science Behind It" box. Another nice touch: a section on "Success Secrets" for science fairs, including display tips and thinking like the judges. Whether used in the classroom or at home, this book is sure to be a hit with your kids.

The book looks like it has lots of explanations and easy child friendly experiments. The only negative is that I think it is written for an older age group - our child is 9 and I think it is aimed at 12 year olds and up.

With two science fair projects due each winter, our elementary school kids are always stuck with where to find new and exciting ideas for their investigations. This full color book by TIME FOR KIDS offers not only a huge selection of various age-appropriate experiments, but also provides valuable step by step real life photos, instructions, ideas for further thinking, guidelines to prepare the story boards, and unique questions and points of interest related to each topic. Special attention is given to safety while carrying out the experiments as well. There is something for everyone in this idea book, from the kid who loves earth science to the little inventor in the family. Though the choices are extensive, we managed to successfully narrow down at least 4 topics that were of interest to our kids this year and they are now choosing which ones will make for the most fun and informational presentation on their grade levels. A terrific book, highly recommended!

This is a real science book and should not be regarded as merely a book of science experiments as the title implies. Each general area of science tends to be covered in considerable detail, much more so than would be required simply to explain the experiments described. For example the illustration of the architecture of plant cells and the human digestive system are reminiscent of a children's encyclopedia. Although this book can be enjoyed by 8-year-olds, I would agree with reviewer Joyce that, in many cases, it is more suitable for 10-12 year olds (and even adults). The book is beautifully illustrated and well written. In many cases, one gets the sense that the book is intended to give students inspiration for school science projects--not a bad idea in itself. Some of the

experiments are very easily done. The use of a glass of water to show the ability of a lens to reverse the direction of an image (page 136) is as simple as they come and yet it was a big hit with the elementary children with whom I tried it. The construction of an electromagnet from a steel bolt wrapped with copper wire attached to a battery (page 154) is a neat experiment; but I found that a longer bolt and more extensive copper wire wrappings were necessary to yield any significant magnetic strength when connected to a D battery. The book "365 Simple Science Experiments with Everyday Materials" has many more experiments and simpler explanations. I recommend it as a very useful companion volume in selecting science experiments to do with young children.--Snowman

This was purchased as a gift for my 9 year old son who absolutely loves science. I wanted to get him something that would keep his attention and that he could learn from. This book was PERFECT! Since getting this, I find my son reading it by his choice alone often. He loves to see actions and reactions to all things science related. This book is age appropriate and explains things so kids can understand it easily. There is a lot of experiments in this book that only require a few ingredients which makes it super simple to try some things out right away. If you have a child that really enjoy science, this is a great resource and a fun way to entertain your kids while they are learning. They don't even realize they are learning. As an adult, I also enjoy this book. I've learned some things that I was not aware of also. I recommend this book happily.

Time Big Book is a great way to establish concepts of science set forth in the text. Mostly common, household goods are used. We are homeschoolers and my 11-year-old has really taken off with the book. Nice use of modern, colored photos. Very attractive to a young learner. Highly recommend for fun and/or learning.

My sons (4 & 7yrs) both love doing science experiments. This book has simple, easy to follow instructions. Some of the experiments are simple enough for them to do on their own with minimal supervision, but many require a little help, which is expected. Nice gift.

Kids love science! Especially when they get to perform experiments and see the results of their heart rate, fingerprints, temperature, magnetism and many more. Some need parental oversight but many do not. Set up the kitchen table on a rainy day and see what you can learn together.

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