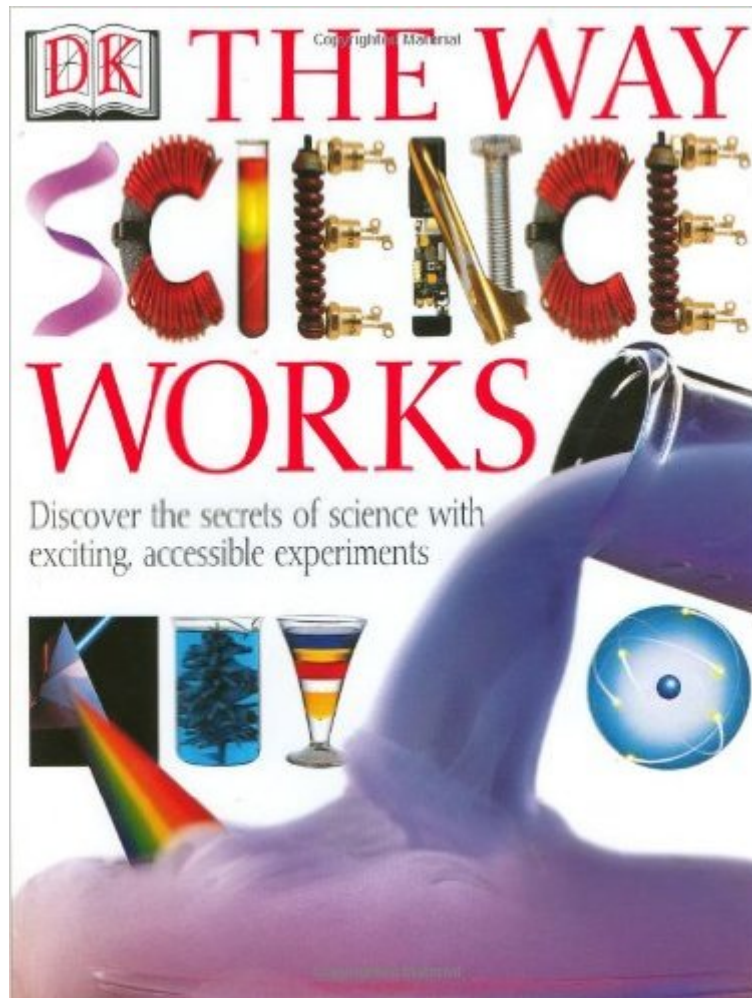


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# The Way Science Works



## Synopsis

The perfect introduction to how science explains the world around us! Eye-opening experiments and exceptional photography bring science to life. Discover science in action from the principles that explain everyday occurrences to the theories behind the technology in today's fast-moving world. Test the theories in more than 100 hands-on projects. Next-generation visuals and cutting-edge content help illuminate key scientific developments. Packed full of facts about famous scientists, technology newsflashes, and more. An exciting way to keep ahead of the curriculum and discover science for yourself.

## Book Information

Hardcover: 160 pages

Publisher: DK Children (April 1, 2002)

Language: English

ISBN-10: 0789485621

ISBN-13: 978-0789485625

Product Dimensions: 8.9 x 0.7 x 11.2 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: 4.7 out of 5 starsÂ Â See all reviewsÂ (31 customer reviews)

Best Sellers Rank: #83,228 in Books (See Top 100 in Books) #48 inÂ Books > Children's Books > Science, Nature & How It Works > How Things Work #57 inÂ Books > Children's Books > Science, Nature & How It Works > Experiments & Projects

Age Range: 10 - 17 years

Grade Level: 5 - 12

## Customer Reviews

Having been trained in science (PhD in Physics) and having taught physics at the university level for 40 years, I think this is the best tool I have ever seen for presenting basic physical principles at a level that intelligent people 8 years old and up can really understand. It has no competition that I am aware of. Outstanding idea and execution.

Ideal for both classroom and homeschool curriculum supplementation, *The Way Science Works* is an exciting introduction for young readers to the deductive process of science and the marvels that mankind has discovered about the natural world. Offering more than sixty experiments and hands-on projects suitable for budding scientists age 10 and older (with safety precautions detailed

where needed), *The Way Science Works* offers a fascinating glimpse into everything from the workings of the atom to understanding the true nature of gravity, to optical illusions and magnetism. Hundreds of excellent color photographs illustrate this superbly organized instructional reference. Although filled with fascinating revelations which would appeal to readers of all ages, *The Way Science Works* is particularly geared to show younger folks just how much amazing fun science can be!

My son doesn't like reading much, but he loves this book. He comes back with all sorts of odd and interesting facts and is developing a really clear understanding of how things work. I think D&K publishers are consistently good and this is better than their usual high standard. I would definitely recommend, for home and also as an excellent gift.

This young man is very curious about science and has had some good exposure and I wanted to give him a look at the more advanced sciences to in order to keep him interested in more complex aspects of the field. He seemed very pleased to have it.

As a homeschool mom, I like to have resource books readily available to learn more about particular science topics we happen to be working on. *The Way Science Works* has been a consistent go-to book for all of our physical science studies. Much like a single volume encyclopedia, this book covers matter, atoms and elements, forces and energy, heat and sound, light and color, and electricity and magnetism in 156 concise, colorful, image-packed pages. Each two-page spread covers a single topic - first giving you a brief overview of the subject, then providing you with interesting tidbits of information that go-along. For instance, after learning what refraction is (in the light and color section), you can read brief descriptions about various types of lenses, cataract surgery, lighthouses, and the scientist who discovered the laws of refraction. There is even a step-by-step experiment to bend light rays. Each and every tidbit is fully illustrated with images or diagrams. In all, there are 65 different two-page spreads full of information! A wonderful glossary with kid-friendly definitions is included, too. I have often used these definitions as part of our vocabulary and spelling studies. This book has earned a coveted spot on our resource shelf - for good reason.

Having been trained in science (PhD in Physics) and having taught physics at the university level for 40 years, I think this is the best tool I have ever seen for presenting basic physical principles at a

level that intelligent people 8 years old and up can really understand. It has no competition that I am aware of. Outstanding idea and execution.

I purchased this as a sort of refresher for myself. I teach history at our local high school and was recently transferred to the science department after teaching history for 13 years. Needless to say, things do not remain the same in science and I was able to "brush up" quite a lot with this book. I recommend it highly for students, teachers and anyone who wants to know more about science.

I really like this book. It has a lot of pictures that my 9 year old was interested in. The experiments in it look fun and informative. The material is presented in a great manner. It will be part of our homeschool science curriculum in the fall. I wish there were more books like this one. They make science come alive.

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