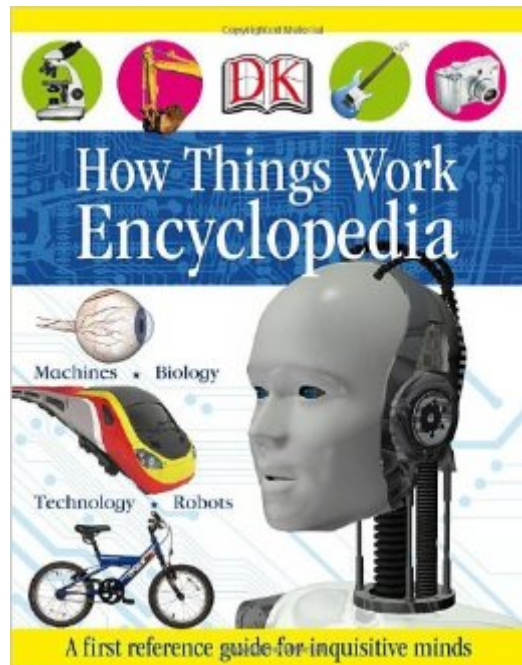


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# How Things Work Encyclopedia



## Synopsis

Looking at the technology all around us-and then explaining how it works, the How Things Work Encyclopedia lifts the hood of a car engine, gets inside a TV set, and discovers the power of invisible microwaves. With close-ups, cutaways, and diagrams bringing the technology to life, and timelines illustrating the development of inventions, challenging curiosity quizzes and fascinating facts, the How Things Work Encyclopedia lets children really see and understand what's going on inside.

## Book Information

Hardcover: 128 pages

Publisher: DK Children (December 28, 2009)

Language: English

ISBN-10: 0756658357

ISBN-13: 978-0756658359

Product Dimensions: 8.9 x 0.6 x 11.1 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 starsÂ Â See all reviewsÂ (50 customer reviews)

Best Sellers Rank: #30,854 in Books (See Top 100 in Books) #14 inÂ Books > Children's Books >

Science, Nature & How It Works > How Things Work #9527 inÂ Books > Reference

Age Range: 7 - 10 years

Grade Level: 2 - 5

## Customer Reviews

This single-volume resource is packed with well-illustrated, lucidly-presented information. It also has a glossary of scientific terms. Each foldout page examines a specific topic. Every one of these can be used to launch a scientific lesson. The topics include basics such as electricity, magnetism, Newton's Three Laws, simple machines, bicycles, trains, the workings of the internal combustion engine, etc. A timeline of technological developments, going back to early human civilization, is included. This book also includes more esoteric topics such as the workings of fireworks, ears and sound, wavelengths of light, power plants, flotation of boats and ships, manned space flight, workings of lenses and light bulbs, the Internet, bar codes, and possible future developments such as the hydrogen-driven bus.

I gave this to my son for his birthday- he loves science, and inventing, etc. He loves this book, and

even his younger brothers enjoy it because of the great pictures in it. Some of the explanations go over his head, but most are explained so that he can understand how they work, it is great book, I think he will love it even more when he is a bit older.

I bought this for a nephew hoping for an in depth explanation of mechanical concepts and devices at a child's level of understanding. In my mind I was looking for a modern version "How Things Work", similar to the 1960 version authored by Roger Jean Segalat. This set of volumes was very important to me as a child, and I'm pretty sure they were the inspiration for my successful career as a mechanic/technician. This book is nothing like those books of my childhood. This more modern How Things Work Encyclopedia does not really go into any detail on how things work, but instead gives a more dumbed-down version for today's less mechanically savvy kids. There is a much greater focus on what things do than how things do the things they do. Sad really.

Love this book! I had originally borrowed it from my public library, but loved it so much and thought my students would also. I had to get one for my classroom resource library.

Books were purchased for 9 and 10 year olds. They were very excited with them. I think the information was just the right amount for their age, not too much but still enough detail to give them an understanding. Photos were great.

My grandson loved these books. He likes looking thru them and reading about things that he is interested in. I bought several different books in this educational area. He will be able to use them for his homework many years to come.

I bought this book for my husband who has been diagnosed with early Alzheimer's. He saw the copy our grandchildren had gotten for Christmas and wanted a copy for himself. It is written simply enough for him to grasp.

I ordered this book for my grandson. He's always asking how things work, so this book is GREAT. It would be good for any student from ages 7 to 100! :o)

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