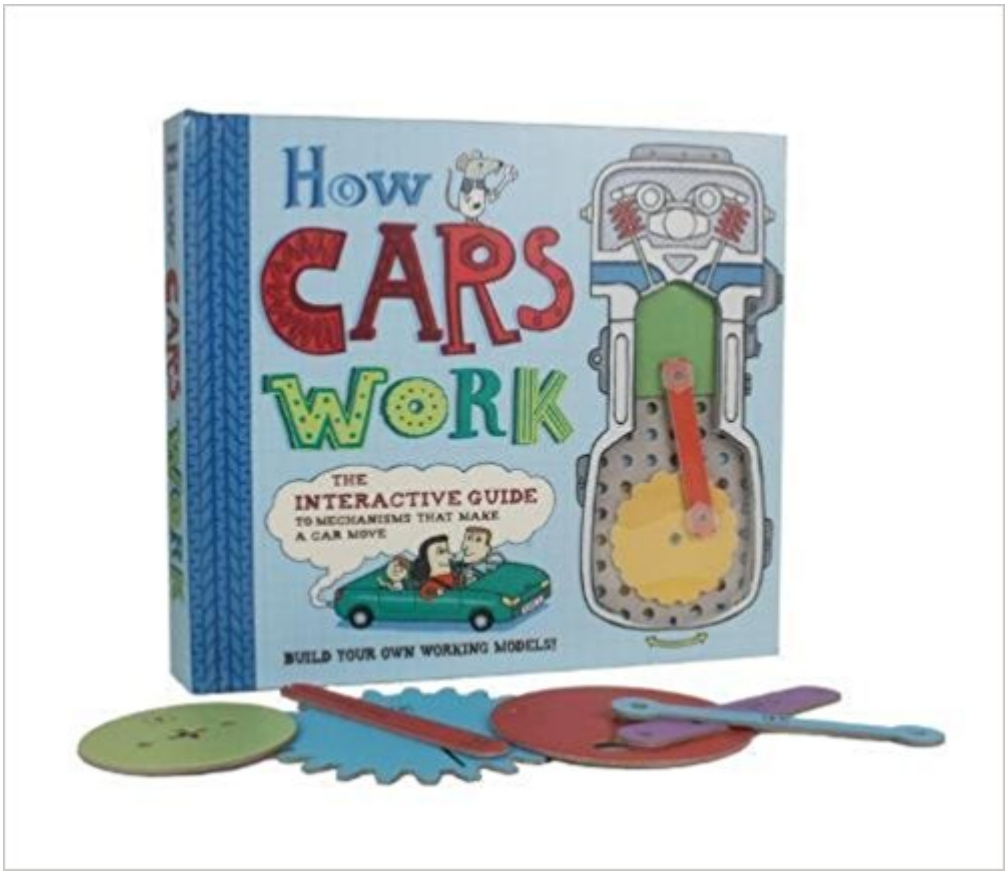
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How Cars Work: The Interactive Guide To Mechanisms That Make A Car Move



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Synopsis

Kids' passion for cars has always run fast and furious, and this interactive book and kit gives enthusiastic gearheads the opportunity to build the essential parts of a car easily and independently.Colorful and energetic, How Cars Work details the principles for ten basic car mechanisms and includes examples of their everyday use, helpful timelines detailing each part's history, and straightforward instructions on how to build each mechanism. All of the materials needed to build each mechanism are contained within the kit, including machine pieces, nuts and bolts, and a detachable peg board—all color-coded for easy identification. The projects include: wheels, gear box, steering, exhaust valves, timing belt, pistons, suspension, accelerator pedal, and brakes.This follow-up to How Machines Work is hands-on and engaging, certain to inspire the DIY spirit in every child!

Book Information

Hardcover: 24 pages

Publisher: Running Press; Csm Nov edition (September 24, 2013)

Language: English

ISBN-10: 0762447265

ISBN-13: 978-0762447268

Product Dimensions: 10.5 x 1.5 x 9.2 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 stars 20 customer reviews

Best Sellers Rank: #312,487 in Books (See Top 100 in Books) #92 inÃ Â Books > Children's Books > Science, Nature & How It Works > Heavy Machinery #148 inÃ Â Books > Children's Books > Science, Nature & How It Works > How Things Work #456 inÃ Â Books > Children's Books > Cars, Trains & Things That Go > Cars & Trucks

Age Range: 6 and up

Grade Level: Kindergarten and up

Customer Reviews

Nick Arnold is the author of How Cars Work and the Horrible Science series which has been awarded Britain's Aventis Prize for Science Books. He also works as a professional historian and located an ancient battlefield that had been lost for one thousand years. He lives in Devon, England,Allan Sanders is the illustrator of How Machines Work and internationally renowned for his powerful, quirky illustrations, which have appeared in such publications as The Economist, The

Guardian, New Scientist, and the Los Angeles Times. His interactive and animation work has been featured in exhibitions at the London Science Museum. He lives in Brighton, England.

I honestly love this book and it’s an amazing concept for kids with great visual aids. I’m a 100% hands on visual learner myself and see that as well in my son whom we bought this for. As other reviewers have mentioned it would better if the parts were made of a plastic material instead of fiberboard. My son desperately wants to play with this on his own but we won’t let him since the parts will get torn. BUT for the price I have to say it’s 100% worth is.

The gears and rods are mere paperboard--basically single-ply cardboard--with lots of little, thin, translucent plastic washers. It’s very difficult to remove the gears and all from the peg board without bending or tearing them, especially the narrow rods, and it’s also hard to secure the pieces onto the peg board without tightening the plastic washers so much that they can’t turn or they bend and tear when you try to turn them. My son was so excited when this came in and we opened it, but I soon had to take it away because *my* very careful handling had managed to tear a couple pieces almost right away. Extremely disappointing quality. Poor kid.

This is probably the best book I’ve seen for a child and parent experience. This book not only sharpens critical thinking skills, but also explains how cars and their systems work. This is a fantastic gift for ages 3+ IF they are doing it with their parents(and hey, this is the PERFECT book to use with your kids). Both parent and child stand to learn something from using this book! There is a compartment with all diorama pieces, and peg-boards. They go in depth, but not too far.

Great idea! My son really enjoyed this book. He’s ten so he could do all the activities himself, but a young child could do this with parents. Pieces are sturdy cardboard and can take a lot, but they can tear.

Arrived w a piece broken in front. Cool book and concept. Pieces made of cheap cardboard and kind of hard to move gears.

This is a great kit for explaining the mechanisms that go into making a car work. It comes with heavy cardboard pieces and plastic bolts and wing nuts that you use to make the various car part. We have made several of these and it really is fun to see the kids "get" it and connect with how a real

car works. I would highly recommend this kit for kids that have an interest in cars.

The parts are made of cardboard and easily tear. Broken a piece my first time using it.

My 4 and 6 year old grandsons love this. I like the interaction they can do

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