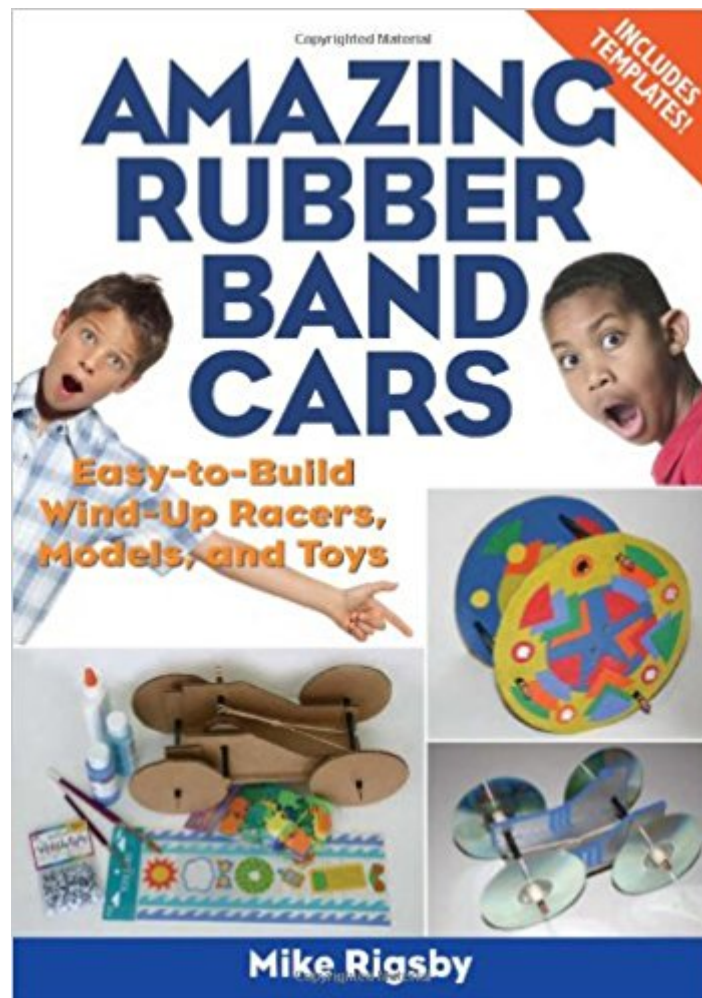




The book was found

# Amazing Rubber Band Cars: Easy-to-Build Wind-Up Racers, Models, And Toys



## Synopsis

Combining fun and interactive activities, this guide will have kids captivated for hours constructing fantastic racing cars with the basics of only rubber bands, cardboard, and glue. These simple instructions with templates allow budding engineers to gain hands-on experience as they learn not only how to build a basic racer, but how to make modifications such as aluminum foil axle bearings, steering mechanisms, hinges, cam shafts, and wheels made out of old CDs. This helpful resource has step-by-step instructions for making a basic rubber-band model, a railroad push-car, and a high-speed racer. Other unique projects include Oscar the Laughing Clown, which has a jaw mechanism that opens and closes when it moves, and Spot the Dog, which has a moving tail. Children can even learn how to build a rubber band car big enough for a human. Exploring wheels, bearings, and friction, kids will learn not only how to make speedy racers but also the science that makes the process work.

## Book Information

Paperback: 136 pages

Publisher: Chicago Review Press (November 1, 2007)

Language: English

ISBN-10: 1556527365

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Product Dimensions: 7 x 0.3 x 10 inches

Shipping Weight: 8 ounces (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars 4 customer reviews

Best Sellers Rank: #1,407,158 in Books (See Top 100 in Books) #91 in Books > Children's Books > Activities, Crafts & Games > Crafts & Hobbies > Models #120 in Books > Children's Books > Activities, Crafts & Games > Crafts & Hobbies > Papercrafts #560 in Books > Engineering & Transportation > Automotive > Racing

Age Range: 9 - 12 years

Grade Level: 4 and up

## Customer Reviews

"A clever craft collection . . . These projects are fun to construct, and inquisitive minds will be fascinated by the moving cars, whether done for a science project or strictly for leisure time enjoyment." — School Library Journal "Filled with fun projects." — Island Family Magazine "Finally, an engineer writes a book for kids! Amazing Rubber Band Cars is much more

than a throwback to the 1950s, when kids made their own toys. Mike Rigsby realizes that you learn more by building than by buying . . . and that home-brewing a cardboard car is just plain fun."

Â â "Cliff Stoll, author, *The Cuckoo's Egg* "These simple instructions with templates allow budding engineers to gain hands-on experience."Â â "Edmonton's Child

Mike Rigsby is an electrical engineer who has contributed to several magazines, including *Byte*, *Circuit Cellar*, *Modern Electronics*, and *Robotics Age*.

This book has provided a lot of fun with the kids with things around the house; I recommend it for others

I'm an English/Science teacher in Asia, and thought that the projects in this book would be great for my students, aged 9-12. I took a look at the first few pages of the book on , and liked how it laid out instructions in a straight-forward manner, with plenty of pictures included. But I've got to say, when we put the instruction into practice, things got pretty difficult. Nearly every project in the book requires cardboard, which is easy enough to locate, but try cutting the assembly-pieces: you're going to need a box-cutter or heavy-duty scissors, and kids aren't going to have the strength to get through the cardboard, even if you trust them with such implements. You could use thinner cardboard, but you'll be forsaking structural integrity. Then it's time to break out the white glue, which takes a long time to dry; leave the project over-night for the glue to set properly. Precariously balance all the glued-together parts, and hope that they stay where they should. From there on in, it's smooth sailing, and you have a rickety cardboard car that travels about six feet of its own accord. Considering how if you push a regular toy car across the floor you'll end up with pretty much the same result, I wasn't surprised when my students were pretty underwhelmed. So, in closing, parents & teachers should be prepared to foot nearly all of the effort required in the construction of something that will take you a couple of hours (spread over two days) to construct, and end with something that will leave a child not asking "How does it do that?", but "Why bother?" Then, the project will be stepped on and thrown away. I'm sounding negative, so why the three-star review? Well, the book is laid out very well, the explanations of the simple mechanics are good for kids, and the projects DO work. For what they're worth.

good stuff to keep one busy for many moons in this book

Though some of the projects require adult assistance for younger children, this is a big hit for parent-child projects and folks with a penchant for fun and unusual projects. Especially like the rubber band toys.

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