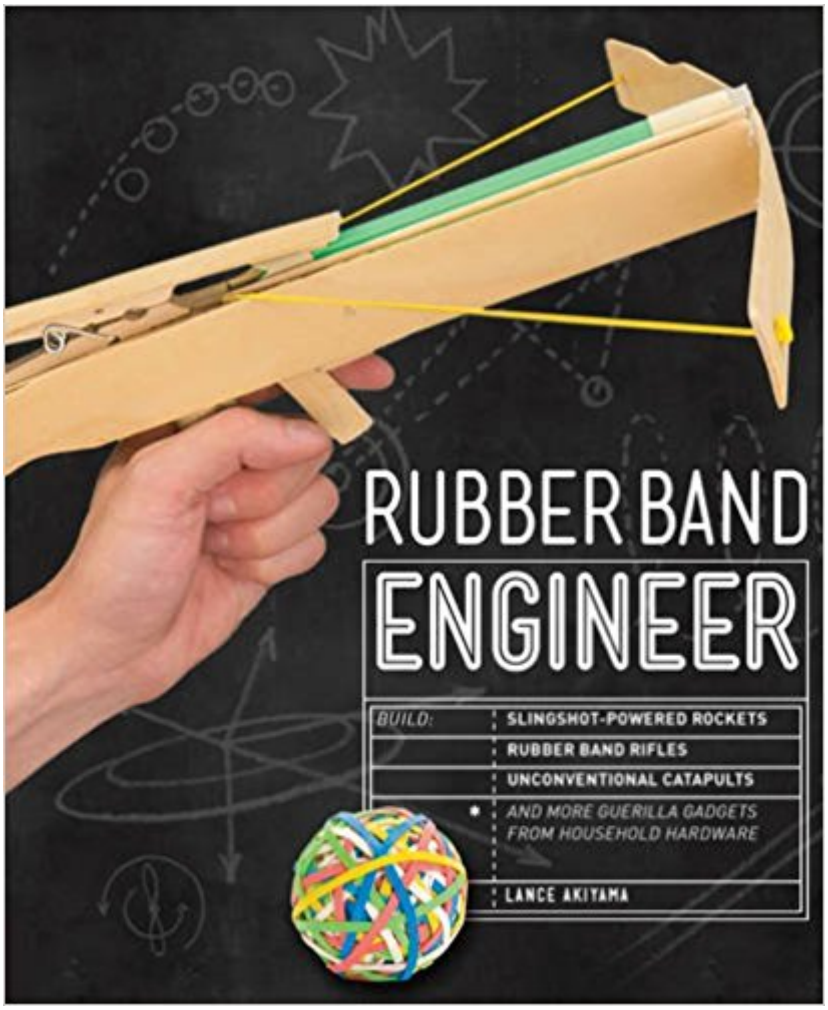
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Rubber Band Engineer: Build Slingshot Powered Rockets, Rubber Band Rifles, Unconventional Catapults, And More Guerrilla Gadgets From Household Hardware




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Synopsis

"Whoa, that shot a lot farther than I thought it would!" Shooting far, flying high, and delivering way more exciting results than expected are the goals of the gadgets in this book. Discover unexpected ways to turn common materials into crafty contraptions that range from surprisingly simple to curiously complex. In vivid color photos, you'll be guided to create slingshot rockets, unique catapults, and even hydraulic-powered machines. Whether you build one or all 19 of these designs, you'll feel like an ingenious engineer when you're through. Best of all, you don't need to be an experienced tinkerer to make any of the projects within. All you need are household tools and materials, such as paper clips, pencils, paint stirrers, and ice pop sticks. Oh, and rubber bands. Lots of rubber bands. So grab your glue gun, pull out your pliers, track down your tape, and get started on the challenging, fun, and rewarding journey toward becoming a rubber band engineer.

Book Information

Series: Engineer
Paperback: 144 pages
Publisher: Rockport Publishers (May 15, 2016)
Language: English
ISBN-10: 1631591045
ISBN-13: 978-1631591044
Product Dimensions: 8.5 x 0.5 x 10 inches
Shipping Weight: 1.4 pounds (View shipping rates and policies)
Average Customer Review: 4.4 out of 5 stars 28 customer reviews
Best Sellers Rank: #42,302 in Books (See Top 100 in Books) #2 inÃ Â Books > Crafts, Hobbies & Home > Crafts & Hobbies > Toys & Models > Wood Toys #7 inÃ Â Books > Crafts, Hobbies & Home > Crafts & Hobbies > Wood Crafts & Carving #8 inÃ Â Books > Crafts, Hobbies & Home > Crafts & Hobbies > Toys & Models > Toymaking

Customer Reviews

Lance Akiyama combines tinkering and education into a single aspiration: to create a better world by inspiring the next generation of innovators with exciting hands-on projects. He has created project-based learning tutorials on Instructables.com, started an after-school engineering service, and is currently employed as a STEM-based curriculum developer for Galileo Learning. Lance spends his free time designing elaborate plans for advanced contraptions, keeping journals in cryptic backwards writing, and attempting to fly by strapping paper wings to his arms and leaping

from rooftops. He lives in the San Francisco Bay area. Lance Akiyama is the author of Rubber Band Engineer (2016), Duct Tape Engineer (2017), and the 2018 book DIY Ballistics Engineer--all from Rockport Publishers.

Am planning to purchase approx. 20 more as Christmas Gifts, plus his other books for myself, (hope this doesn't ruin anyone's Christmas surprise). Have mine on the coffee table and thus far three people have read it from cover to cover prior to my getting a chance. Amazing concepts and even better, they really work ! Can not wait to read more books by Lance Akiyama !

Want to love this, but I should have looked closer. The whole reason I got this was because of the claim that: "all you need is household hardware such as paper clips, pencils, paint stirrers, and ice pop sticks. Oh and rubber bands." This is stretching the truth a bit. While these are definitely needed, many of the projects also need PVC piping, syringes, dowels, square dowels, washers, yardsticks (for the project, not for measuring) as well as the use of some assorted power tools. This may all be manageable for homeschooling or individual projects, but I was looking for something I could do with a group of kids in an after school program on a small budget. This, unfortunately, was not the solution I was looking for. I was excited because we made the slingshot rockets in class based on instructions from the author's website and the kids had a blast! Unfortunately, I do not think I am able to complete most of these without some massive prep and some specialized equipment. And that's a deal breaker for me. Great and fun book otherwise, just doesn't fit my needs.

Bought this for a christmas present for and 11 year old boy. I put in a bunch of supplies to build the warfare in the book. I was second guessing my choice on christmas eve but I shouldn't have. This was a huge hit with all the boys. They all had their heads in this book the majority of Christmas day attempting to do the builds.

Anyone have a brainiac at home? Want a fun and challenging way to pass a rainy or snowy day? This book is it!! This is for anyone that likes to build and discover new uses of rubber bands. My son is 11 and with help from dad, they are constructing some amazing new projects. Totally worth it. Just don't forget you will need supplies!!

My boy has informed me we need to go to Home Depot to buy a huge supply of paint stirrers so he

can construct all of his creations: cross-bow, sling shot, and so much more. This was an awesome find. So thrilled to put it in the hands of my budding engineer!

This is one of my ten year old son's favorite science project book. He's able to build some projects on his own and needs minimal help with others. This book is a great alternative to get boys doing stuff they enjoy and off video games.

my grandson and i enjoy doing these projects together. he wants to build something everyday!

I haven't tried making any of these yet but love the ideas.

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