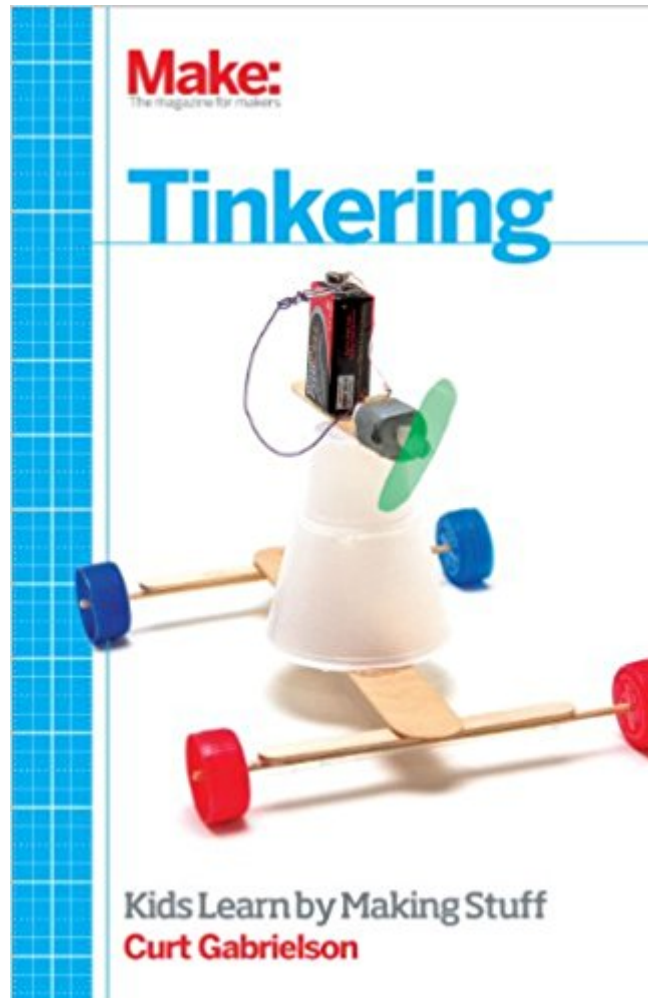




The book was found

# Tinkering: Kids Learn By Making Stuff



## Synopsis

After-school and out-of-school programsâ "as well as home schoolingâ "have been growing steadily for nearly a decade, but instructors are still searching for high-interest content that ties into science standards without the rigidity of current classroom canon. The author draws on more than 20 years of experience doing hands-on science to facilitate tinkering: learning science while fooling around with real things. In this book, you'll learn:

- Tinkering techniques in key science areas
- How to let kids learn science with hands-on tinkering
- Engaging techniques for science learning at home, in school, or at a makerspace or library
- Step-by-step instructions for activities that don't end with a single project, but that provide many paths for "tinkering forward".

## Book Information

Age Range: 11 - 17 years

Paperback: 268 pages

Publisher: Maker Media, Inc; 1 edition (September 27, 2013)

Language: English

ISBN-10: 1449361013

ISBN-13: 978-1449361013

Product Dimensions: 5.5 x 0.6 x 8.5 inches

Shipping Weight: 11.4 ounces (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars 36 customer reviews

Best Sellers Rank: #283,282 in Books (See Top 100 in Books) #33 in Books > Children's Books > Education & Reference > Science Studies > Electricity & Electronics #35 in Books > Children's Books > Activities, Crafts & Games > Crafts & Hobbies > Models #73 in Books > Children's Books > Science, Nature & How It Works > Inventions & Inventors

## Customer Reviews

This book is terrific! The philosophy couldn't have been better stated. Curt writes beautifully; it's very readable and his overall message is indisputably valuable, especially in these times of electronic gadgets. As the book points out, in recent years we find our kids can't even tie their shoes! Thus, in order to truly learn science, they need access to these sorts of hands-on opportunities more than ever. So hooray for the very valuable notion of community science workshops, such as have been pioneered in California!

Paul Hewitt, Author of Conceptual Physics

Curt Gabrielson runs the Watsonville Environmental Science Workshop and works with science education in East Timor. He has been a science educator for more than 20 years, with positions in the California public schools, the National University of East Timor, and San Francisco's Exploratorium Teacher Institute.

This book is filled with low cost ideas for exposing kids to science. Although the primary audience is adults (teachers or group leaders of kids), there is no reason why younger people can't enjoy the projects. Curt has worked for years with "at-risk" and rough kids--kids falling through the cracks. The techniques and materials described are useful for after school or home school students. The hands on activities are a useful exposure to science and, more importantly, the tinkering provides successful experiences that build confidence. When I was a little kid, an aunt used to provide me with broken mechanical alarm clocks to "fix." I was quite good at tearing them apart (not so good at putting them back together). Years later, I went to college and became an electrical engineer. I honestly believe that exposure to this type of "tinkering" helps a child learn about herself and her world. If you want to help kids, pick up a copy of this book--you won't be disappointed.

This is an awesome book for jump-starting your kid's imagination from stuff that is easily at hand. My only complaint is that the print edition DOES NOT HAVE COLOR PHOTOS in it which makes for a disappointing reading experience, since the photos are so crucial in the context of this particular book:(

I liked the ideas in the book, but for a 10 year old, some pictures inside would have been nice.

Wonderful resource for anyone interested in getting familiar with tinkering as an educational tool. The book is written for beginners and, although it caters for educators, it was very useful and interesting for me as a parent.

The photos in this book are horrible to see. It is so draining to try to figure out what is going on that I have no interest in this book whatsoever. What a waste of money.

Quality of the print is horrible, interior book design very cheapo, and tons of typos. I expected more from Make magazine. But the ideas are good.

Even from a young age my grandson showed an interest in making things that worked, so that it carried him beyond Legos. This was the perfect book for him to refer to in order to get involved with a hobby that teaches him about how the universe is organized and what is possible to make in order to pursue his passion.

I like looking through these kind of books. Some interesting ideas in this one. Worth getting.

[Download to continue reading...](#)

Tinkering: Kids Learn by Making Stuff Tinkering: Kids Learn by Making Stuff (Make) Soap Making: 365 Days of Soap Making: 365 Soap Making Recipes for 365 Days (Soap Making, Soap Making Books, Soap Making for Beginners, Soap Making Guide, ... Making, Soap Making Supplies, Crafting) Soap Making: 365 Days of Soap Making (Soap Making, Soap Making Books, Soap Making for Beginners, Soap Making Guide, Soap Making Recipes, Soap Making Supplies): Soap Making Recipes for 365 Days Don't Sweat the Small Stuff . . . and It's All Small Stuff: Simple Ways to Keep the Little Things from Taking Over Your Life (Don't Sweat the Small Stuff Series) The Ultimate Soap Making Guide: Unique Soap Making Recipes & Complete Soap Making Guide for Beginners (Soap Making at Home, Soapmaking Guide, Soap Making Recipes, Soap Making Book) Books For Kids: Natalia and the Pink Ballet Shoes (KIDS FANTASY BOOKS #3) (Kids Books, Children's Books, Kids Stories, Kids Fantasy Books, Kids Mystery ... Series Books For Kids Ages 4-6 6-8, 9-12) Drawing: Drawing For Beginners- The Ultimate Guide for Drawing, Sketching,How to Draw Cool Stuff, Pencil Drawing Book (Drawing, Learn How to Draw Cool Stuff) My Stuff, Your Stuff: A Book about Stealing (Growing God's Kids) The Art of Tinkering Make: Technology on Your Time Volume 41: Tinkering Toys The Perversity of Things: Hugo Gernsback on Media, Tinkering, and Scientifiction (Electronic Mediations) Tinkering toward Utopia: A Century of Public School Reform Stuff Your Face or Face Your Stuff: The Organized Approach to Lose Weight by Decluttering Your Life Don't Sweat the Small Stuff, and It's All Small Stuff The De-Textbook: The Stuff You Didn't Know About the Stuff You Thought You Knew Stuff Every Man Should Know (Stuff You Should Know) Stuff Every Husband Should Know (Stuff You Should Know) Don't Sweat the Small Stuff for Teens: Simple Ways to Keep Your Cool in Stressful Times (Don't Sweat the Small Stuff Series) Stuff Every College Student Should Know (Stuff You Should Know)

Contact Us

DMCA

Privacy

FAQ & Help