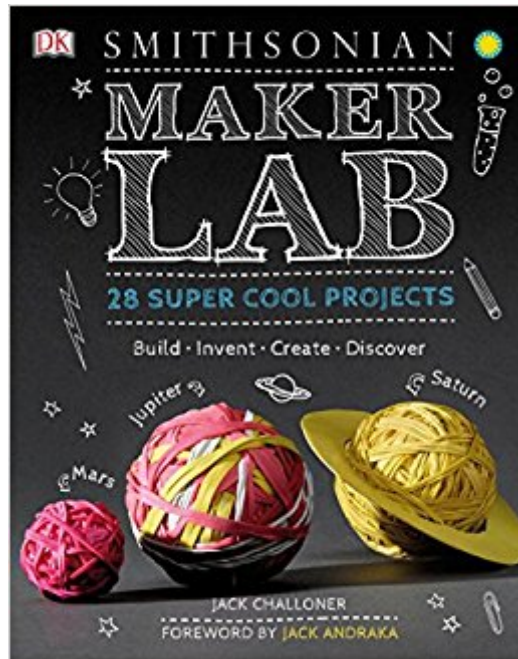




The book was found

Maker Lab: 28 Super Cool Projects: Build * Invent * Create * Discover



Synopsis

As seen on Kim Kardashian's Instagram Supporting STEAM education initiatives and the Maker Movement, the National Parenting Publication Award-winner Maker Lab includes 28 kid-safe projects and crafts that will get young inventors' wheels turning and make science pure fun. Each step-by-step activity is appropriate for kids ages 8 to 12, and ranked easy, medium, or hard, with an estimated time frame for completion. Requiring only household materials, young makers can build an exploding volcano, race balloon rocket cars, construct a lemon battery, make sticky slime, and more. Photographs and facts carefully detail the "why" and "how" of each experiment using real-world examples to provide context so kids can gain a deeper understanding of the scientific principles applied. With a foreword by Jack Andraka, a teen award-winning inventor, Maker Lab will help kids find their inner inventor and create winning projects for school projects, science fairs, and beyond.

Book Information

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Age Range: 8 - 12 years

Grade Level: 3 - 7

Customer Reviews

Long, Slow Slither Like some alien gloop from a science fiction movie, this homemade slime will slither everywhere when you pick it up. There's really nothing extraterrestrial about this mixture, though, because it's mostly made of cornstarch and water, with a splash of shampoo. [View larger](#)

[View larger](#) **How to Make Sticky Slime** What you need: airtight container, food coloring, invisible

tape, wax paper, tablespoon, spatula, warm water, shampoo, cornstarch, and a large mixing bowl.

DNA Model Every one of the trillions of cells that make up you contains a DNA molecule. Each molecule is a mini database, packed with instructions telling your body how to work properly.

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Measuring the Wind This type of anemometer, called a Robinson anemometer, has cups that go whizzing around and around when they catch the wind. [View larger](#)

[View larger](#) **Real World Science** Wind can be very powerful, supplying enough energy to turn massive wind turbines. These, in turn, drive electric generators, so the energy ends up as electricity used to power homes, schools, offices, and factories.

Gr 3 Up "Spinning off of the popularity of maker spaces and capitalizing on the call for STEM-based products, this title offers a plethora of engaging projects that will capture the attention and curiosity of students from lower elementary (with guidance) through high school. Divided into four categories, "Food for Thought," "Around the Home," "Water World," and "The Great Outdoors," the projects are accompanied by clear directions, attractive photos, and the scientific principles behind each topic. The colorful, well-staged photos focus on the ingredients and steps involved in each project and are relatively timeless-lookingâ "no trendy clothes to age the book later on and no photos of very young participants to turn off older readers. Some tasks, such as Sticky Slime, are familiar but still serve well as fun and educational learning experiences. Others, like Baked Alaska and sugar crystal lollipops, require a full kitchen, or a very strong Bunsen burner at least. Other projects, such as the DNA Model and Sensational Speakers, will appeal to older readers. With projects such as Bath Fizzies and Icy Orbs, this selection has something for everyone. VERDICT Public and school libraries should consider this volume for inventive students and quick event ideas." Sarah Knutson, American Canyon Middle School, CA

"Offers a plethora of engaging projects that will capture the attention and curiosity of students from lower elementary (with guidance) through high school." â " School Library Journal"â |what sets this book apart is that each experiment is accompanied by real-world applications that tie new observations to kids' existing understanding and offer endless opportunities for STEM-related discussions." â " Booklist"[An] accessible and wide-ranging exploration of multiple aspects of the

sciences." â ” Publishers Weekly

If I could get a by the case discount, I would. I bought these for every birthday my child got invited to this year. He's 6 and this book is amazing. I bought it for him originally and have bought 7 more since. Very interactive. Great learning tool while being fun. These ideas can be found elsewhere but were put together well with bright pictures in a good collection. Highly recommend.

What an amazing book! I KNOW this will be the favorite book in our classroom! Not only are the materials for all of the activities easy to get (many you already have at home) but the step by step directions are clear and easy to follow. The ADDED bonus is the explanation given in scientific language using kid-friendly diagrams. I sat today and added each activity to my year-long science planning for my 2nd and 3rd graders and know my little scientists are going to love these!

Great book. Actually doing some of the experiments is highly unlikely, but over all great book for kids.

Wrong age for my 10 year old grandson. Perfect for his 6 year old sister!

Very cool book. Nice graphics and pictures. I only wish there were more activities included.

Buy it

Bought as a gift for a 7 year-old. She loved it and immediately went through the book to bookmark experiments to try. Paired it with a disposable child-sized lab coat and goggles and it was a hit!

So much fun to be had in this book! I love the colorful layout, the simple instructions so it is easy for my elementary aged daughters to follow and that with each experiment there is a little lesson explaining what you are doing. Perfect for any house but especially for a homeschool house!

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