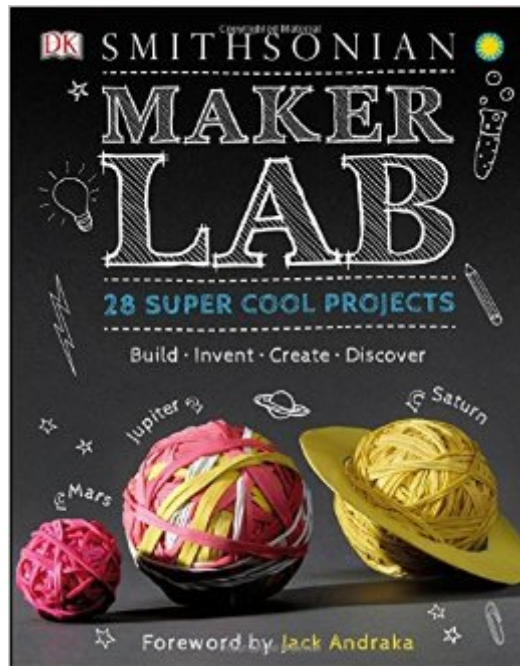


The book was found

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



Synopsis

Build, invent, create, and discover 28 awesome experiments and activities with Maker Lab. Created in association with the Smithsonian Institution and supporting STEM education initiatives, 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 solar system, make a lemon battery, 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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Average Customer Review: 4.7 out of 5 stars See all reviews (30 customer reviews)

Best Sellers Rank: #4,877 in Books (See Top 100 in Books) #7 in Books > Children's Books > Science, Nature & How It Works > Experiments & Projects

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.

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