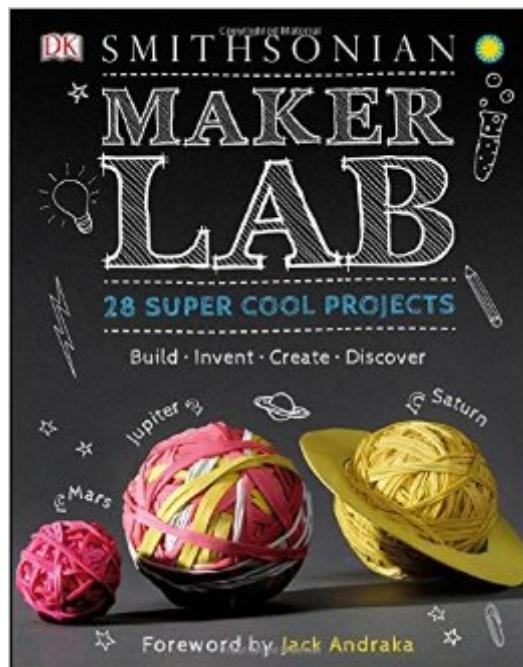


The book was found

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 8–12 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)

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Age Range: 8 - 12 years

Grade Level: 3 - 7

Customer Reviews

Long, Slow Slither Like some alien glop 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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Maker Lab: 28 Super Cool Projects: Build * Invent * Create * Discover Totally Cool Creations: Three Books in One; Cool Cars and Trucks, Cool Robots, Cool City Unofficial Minecraft Lab for Kids: Family-Friendly Projects for Exploring and Teaching Math, Science, History, and Culture Through Creative Building (Lab Series) Animation Lab for Kids: Fun Projects for Visual Storytelling and Making Art Move - From cartooning and flip books to claymation and stop motion movie making (Lab Series) Collage Lab: Experiments, Investigations, and Exploratory Projects (Lab Series) Art Lab for Little Kids: 52 Playful Projects for Preschoolers (Lab Series) Maker Projects for Kids Who Love Music (Be a Maker!) Maker Projects for Kids Who Love Electronics (Be a Maker!) 3D Art Lab for Kids: 32 Hands-on Adventures in Sculpture and Mixed Media - Including fun projects using clay, plaster, cardboard, paper, fiber beads and more! (Lab Series) Creative Photography Lab: 52 Fun Exercises for Developing Self-Expression with your Camera. Includes 6 Mixed-Media Projects (Lab Series) Cool Cardboard Projects You Can Create (Imagine It, Build It) Read and Discover: Level 3: 600-Word Vocabulary Your Five Senses (Discover! - Oxford Read and Discover) Cool Hip-Hop Music: Create & Appreciate What Makes Music Great! (Cool Music) Drawing Comics Lab: 52 Exercises on Characters, Panels, Storytelling, Publishing & Professional Practices (Lab Series) Art Lab for Kids: 52 Creative Adventures in Drawing, Painting, Printmaking, Paper, and Mixed Media-For Budding Artists of All Ages (Lab Series) Print & Stamp Lab: 52 Ideas for Handmade, Upcycled Print Tools (Lab Series) Gardening Lab for Kids: 52 Fun Experiments to Learn, Grow, Harvest, Make, Play, and Enjoy Your Garden (Lab Series) Kitchen Science Lab for Kids: 52 Family Friendly Experiments from Around the House (Lab Series) Outdoor Science Lab for Kids: 52

Family-Friendly Experiments for the Yard, Garden, Playground, and Park (Lab Series) The Skinny Ice Cream Maker: Delicious Lower Fat, Lower Calorie Ice Cream, Frozen Yogurt & Sorbet Recipes For Your Ice Cream Maker

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