

The book was found

Make: Paper Inventions: Machines That Move, Drawings That Light Up, And Wearables And Structures You Can Cut, Fold, And Roll



Synopsis

Paper is incredible stuff. It's easy to cut, but incredibly strong. It's disposable, but can last for centuries. It can stand as stiff as a board, pop up like a spring, or float like a leaf. And its invention changed the world forever. Perfect for kids, parents, and educators, Paper Inventions is a project-based book with full color illustrations, step-by-step instructions, supply lists, and templates that allow you to follow along with the book or devise something entirely new. Each chapter features new projects that will challenge and intrigue everyone, from beginning to experienced Makers. In this book, you'll learn to make: A light-up paper cat that shows how switches and sensors work An action origami robot worm Edible rice paper perfect for secret messages A space rover that moves thanks to paper machinery A paper generator that creates electricity when you tap or rub it Heat-activated paper models that fold themselves A geodesic dome big enough to crawl into--from newspaper!

Book Information

Paperback: 132 pages

Publisher: Maker Media, Inc; 1 edition (September 26, 2015)

Language: English

ISBN-10: 1457187523

ISBN-13: 978-1457187520

Product Dimensions: 8 x 0.2 x 9.7 inches

Shipping Weight: 9.9 ounces (View shipping rates and policies)

Average Customer Review: 3.9 out of 5 stars [See all reviews](#) (19 customer reviews)

Best Sellers Rank: #21,143 in Books (See Top 100 in Books) #8 in [Books > Crafts, Hobbies & Home > Crafts & Hobbies > Papercrafts, Stamping & Stenciling > Origami](#) #8 in [Books > Children's Books > Science, Nature & How It Works > Inventions & Inventors](#) #10 in [Books > Children's Books > Science, Nature & How It Works > How Things Work](#)

Age Range: 11 - 17 years

Grade Level: 6 - 12

Customer Reviews

Three questions for 'Paper Inventions' author Kathy Ceceri Why did you write this book? I am all about low-tech/no-tech Maker projects. They're a helpful onramp to more advanced Making skills, plus they're cheap and quick enough to do at home or in the classroom. While new materials are constantly being developed, the number of amazing projects

Makers are doing with everyday stuff inspired me to come up with a books' worth of projects just using paper, scissors, glue, and a few easy-to-find additions like LEDs and conductive tape. What did this book teach you about paper? I didn't realize how much of the papermaking process takes place at the molecular level. The tiny strands of plant fiber that make up a sheet of paper are held together by a microscopic electrical pull called van der Waals forces. By tinkering with these forces, scientists can control how strong a sheet of paper is " or how quick to decompose when its been used, as with toilet paper. Why is paper such a good material for Makers? I focused on paper as a building material because everyone has access to it in a wide variety of forms. You can use it to create very simple designs, but it can also be used to make projects that are very complex and clever. As you'll see in the Engineering section of the book, when you roll paper up, it can support enough weight to build structures big enough to sit inside! Turn Your Junk Mail Into Art! Many simple projects and techniques can seem difficult the first time you try them. Don't give up, and don't worry if your first try isn't perfect. You can always do better the second time. Keep an eye out for interesting kinds of paper. It doesn't have to be expensive " most projects look fine if you use paper reclaimed from old books, wallpaper samples, or even junk mail. If you want your paper invention to last a long time, you may need to "ruggedize" it. For flat projects, you can laminate it using clear wide packing tape or clear adhesive shelf paper. For three-dimensional shapes, you can spray or brush on sealer (or make your own by thinning white glue with water). Test your method of choice first on a piece of scrap to make sure it doesn't harm your final design!

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

Make: Paper Inventions: Machines that Move, Drawings that Light Up, and Wearables and Structures You Can Cut, Fold, and Roll Paper Mache: The Ultimate Guide to Learning How to Make Paper Mache Sculptures, Animals, Wildlife and More! (How to Paper Mache - Paper Mache - Paper Crafts ... Mache for Beginners - Arts and Crafts) Snowflakes for all Seasons: 72 Fold & Cut Paper Snowflakes Paper Galaxy: Out-of-This-World Projects to Cut, Fold & Paste Colossal Paper Machines: Make 10 Giant Models That Move! Fold-out Bikes, plus 50 big stickers, Giant Wall Chart & Poster. (Fold-Out Poster Sticker Books) Dinosaurs on the Move: Movable Paper Figures to Cut Color, and Assemble Cut-Paper Play!: Dazzling Creations from Construction Paper (Williamson Kids Can!) What Do Pulleys and Gears Do? (What Do Simple Machines Do?) (What Do Simple Machines Do?) (What Do Simple Machines Do?) 125 Cool Inventions: Supersmart Machines and Wacky Gadgets You Never Knew You Wanted! (National Geographic Kids) Fold and Cut Stories Cut & Fold Techniques for Promotional Materials Kirigami Fold & Cut-a-day 2013 Day-to-Day

Calendar Cut and Make Egyptian Masks (Cut-Out Masks) Cut and Make Cat Masks in Full Color (Cut-Out Masks) Cut and Make Indonesian Masks (Cut-Out Masks) Measure Twice, Cut Once: Simple Steps to Measure, Scale, Draw and Make the Perfect Cut-Every Time. (Popular Woodworking) Every Landlord's Guide to Managing Property: Best Practices, From Move-In to Move-Out French On The Move For Kids (1CD + Guide) (On the Move S) Spanish on the Move: The Lively Audio Language Program for Busy People (Language on the Move)

[Dmca](#)