

The book was found

Forrest Mims' Science Experiments: DIY Projects From The Pages Of Make:



Synopsis

Forrest M. Mims is a revered contributor to *Make: magazine*, where his popular columns about science-related topics and projects for Makers are evergreen treasures. Collected together here for the first time, these columns range from such simple projects as building an LED tracker for hand-launched night rockets to such challenging builds as transforming strings of data into unique musical compositions. A variety of photography and imaging projects are featured, including an ultra-sensitive twilight photometer that measures the elevation of layers of dust, smoke, and smog from around 3,000 feet to the top of the stratosphere at 31 miles! Most of the projects can be done with a collection of simple electronic components, such as LEDs, transistors, resistors, and batteries. To inspire and motivate readers, the book also includes profiles of such famous Makers as President Thomas Jefferson and Microsoft co-founder Paul Allen.

Book Information

Age Range: 8 and up

Paperback: 224 pages

Publisher: Maker Media, Inc; 1 edition (September 16, 2016)

Language: English

ISBN-10: 1680451170

ISBN-13: 978-1680451177

Product Dimensions: 0.5 x 6.8 x 9.2 inches

Shipping Weight: 15.2 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #380,011 in Books (See Top 100 in Books) #36 in [Books > Science & Math > Experiments, Instruments & Measurement > Scientific Instruments](#) #127 in [Books > Science & Math > Astronomy & Space Science > Star-Gazing](#) #153 in [Books > Science & Math > Experiments, Instruments & Measurement > Experiments & Projects](#)

Customer Reviews

[View larger](#) An ideal source for science fair projects in many fields, this book will, I hope, demonstrate that a formal science education is not necessary to do real science and even make significant discoveries. Amateur scientists use the Internet to learn more about their particular interests and to post their projects and findings online. But when it comes time to make new discoveries, it's time to make and employ the kinds of things described in this book. [Four Ways: Be Like a Scientist](#) By Forrest Mims The camera in your smart phone is just waiting to

do science! Use it to record clouds, plant growth, flowers, traffic and so forth. For serious science, record an image of a particular scene every day at about the same time, rain or shine. Compile a collage of your images and post them online along with your comments. Your smart phone is like having a satellite in your pocket. Select a parameter that interests you, like the daily amount of ozone, haze, or water vapor over your town. Then go online and find a relevant satellite image. Do this for a year, and you will know more about the presence of what you have selected than the scientists who designed and deployed the satellite. A century-old treaty prevents us from collecting the nests or feathers from migratory birds. So why not photograph them? Do this for a year or two, and you will have collected a resource of significance to ornithologists. Water quality is an increasingly important topic. Test kits designed for fish aquariums can also be used to test both tap and bottled water. When my daughter did this back in middle school, she learned that the bottled water we were buying for her infant sister contained ammonia.

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

Forrest Mims' Science Experiments: DIY Projects from the Pages of Make: DIY: 365 Days of DIY: A Collection of DIY, DIY Household Hacks, DIY Cleaning and Organizing, DIY Projects, and More DIY Tips to Make Your Life Easier (With Over 45 DIY Christmas Gift Ideas) 365 Days of Decluttering and Organizing Your Home: DIY Household Hacks, DIY Declutter and Organize, DIY Projects, DIY Crafts, DIY Books, DIY Cookbook, ... Home Improvement (DIY Hacks Book 1) 365 Days of DIY Hacks - Home, Parenting, Pets, Gifts, Budget: (DIY Household Hacks, DIY Declutter and Organize, DIY Projects, DIY Crafts, DIY Books, DIY Gift, Do It Yourself, Home Improvement, Kids) DIY Gifts: 50 Cute And Easy DIY Gifts In A Jar That Everybody Actually Wants: (DIY Projects, diy household hacks,diy Speed Cleaning, tiny home living, ... everyday life, diy Speed Cleaning, gifts)) DIY BUNDLE: The Best DIY Projects in One Book! (diy, diy projects, indoor gardening) DIY Woodworking Projects: 20 Easy Woodworking Projects For Beginners: (Woodworking Projects to Make with Your Family, Making Fun and Creative Projects, ... projects, wooden toy plans, wooden ships) Forrest Mims Engineer's Notebook Cheap and Functional DIY Box Set (6 in 1): Creative, Budget-Friendly Quick and Easy DIY Prepper Projects, Household Hacks, Decorating Ideas and Outdoor Designs (DIY Projects & Household Hacks) Plumbing: DIY for Beginners - Plumbing Repair and Installation for Beginners - Plumbing for Dummies (DIY Projects - DIY Household Hacks - Plumbing tips - Plumbing Parts Book 1) Arm Knitting: 24 Simple and Popular Arm Knitting Patterns: (Modern Crochet, Knitting Projects, Cochet Projects, DIY Projects, Crochet For Beginners, Crochet ... Tunisian Crochet,Make Money With Crochet)) The Best of Make: (Make 75 Projects from the pages of MAKE) Gifts In Jars: 88 Easy To Make DIY Gifts In Jars (Gifts in Mason Jars - Jar Gifts -

Recipes - DIY Projects) Illustrated Guide to Home Forensic Science Experiments: All Lab, No Lecture (Diy Science) DIY Mega-Bundle. Turn On Your Imagination With These 20 Amazing Books!: (DIY Crafts, DIY Books) (How-To Books) Dad's Book of Awesome Science Experiments: From Boiling Ice and Exploding Soap to Erupting Volcanoes and Launching Rockets, 30 Inventive Experiments to Excite the Whole Family! Woodworking Projects: 20 Easy Woodworking Projects to Make with Your Family (DIY Decoration & Craftsmanship) Forrest J Ackerman's World of Science Fiction The Thinking Tree - Science Handbook and Portfolio: Document your Research, Discoveries, Experiments and Science Projects (Do-It-Yourself Homeschooling) (Volume 1) Illustrated Guide to Home Biology Experiments: All Lab, No Lecture (DIY Science)

[Dmca](#)