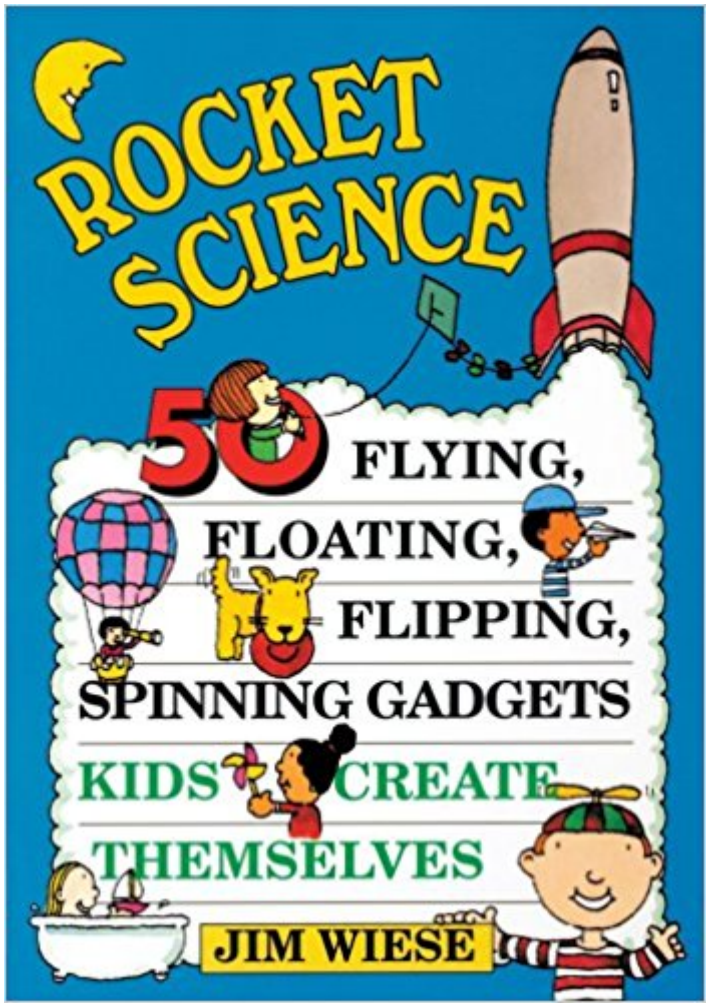
Rocket Science: 50 Flying, Floating, Flipping, Spinning Gadgets Kids Create Themselves



Synopsis

Blast off into the wacky world of gadgets! Have you ever wondered what makes airplanes fly, how boats float, or why your doorbell works? * Would you like to build your own flying, floating, diving, spinning, howling, scooting objects? * Are you looking for a terrific science project that moves? If you answered "Yes!" to any of these questions, then Rocket Science is for you. It shows you the science behind how things work by teaching you how to build a rocket boat, kaleidoscope, mousetrap car, stethoscope, compass, fruit-powered battery, and lots of other wonderful gizmos. All of the projects are safe and easy to make out of stuff you can find around your house. This amazing book covers a wide variety of science topics, including mechanics, air power, water power, electricity, magnetism, chemistry, acoustics, and optics.

Book Information

Paperback: 128 pages

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Average Customer Review: 4.3 out of 5 stars 3 customer reviews

Best Sellers Rank: #1,456,429 in Books (See Top 100 in Books) #87 inÃ Â Books > Crafts, Hobbies & Home > Crafts & Hobbies > Needlecrafts & Textile Crafts > Spinning #747 inÃ Â Books > Children’s Books > Science, Nature & How It Works > Experiments & Projects #44514 inÃ Â Books > Children’s Books > Literature & Fiction

Age Range: 8 - 12 years

Grade Level: 4 - 7

Customer Reviews

Grade 3-7-The projects in this collection are not particularly exciting, but they work, and kids will learn from them. They are grouped into seven general areas: mechanics, air power, water power, electricity, chemistry, sound, and sight. Each experiment includes a list of materials and clear instructions. Adult help is required for more than half, but most often for simple preparations (cutting wire, hammering a nail). Black-and-white cartoonstyle drawings illustrate how things should look; when more detail is needed, simple diagrams are added. The explanation sections that follow each

group of related activities are particularly useful. The author describes what should have happened and why and also suggests how to explore the topic further. Many of the items (e.g., periscope, water rocket, air pump) can be found in other sources, but often without the expanded discussion offered here. The title might mislead readers, since only four of the projects actually resemble rockets, but the others are still interesting enough to intrigue children and introduce science in a way that they'll understand and remember.?Steven Engelfried, West Linn Public Library, ORCopyright 1996 Reed Business Information, Inc.

Gr. 3^-6. Arranged into six chapters showcasing principles related to physics, electricity, optics, chemistry, and acoustics, among others, this is full of appealing experiments that will start kids thinking about how and why things work. Most make use of materials found around the house or in the garage, and diagrams are plentiful and adequately labeled. A few experiments are complicated or require an adult mentor, the building of an electric circuit, for example, but there are plenty children can do on their own, such as making a Cartesian diver with a soda bottle and eye dropper and constructing a rocket boat out of a balloon and a milk carton. Instructions are easy to follow, and Wiese includes a nicely written, not-too-technical follow-up to each project that explains the science behind the fun. Stephanie Zvirin

The book is well organized, with experiments and explanations that are simple enough to work with one or thirty kids (I teach 5th grade).This is a great, fun suppliment to any curriculum you may already have.

I expected the projects to be a little more extravagant. But I forgot that it doesn't take much to fascinate children.

good condition.

Estate Investing, home buying, flipping houses, ... income, investing, entrepreneurship) Rocket Girl: The Story of Mary Sherman Morgan, America's First Female Rocket Scientist Firing A Rocket : Stories of the Development of the Rocket Engines for the Saturn Launch Vehicles and the Lunar Module as Viewed from the Trenches (Kindle Single) Books For Kids: Natalia and the Pink Ballet Shoes (KIDS FANTASY BOOKS #3) (Kids Books, Children's Books, Kids Stories, Kids Fantasy Books, Kids Mystery ... Series Books For Kids Ages 4-6 6-8, 9-12) Hand Wool Combing and Spinning: A Guide to Worsteds from the Spinning Wheel Spinning Wool - Basics & Beyond Wheels, Fiber Preparation & Spinning Techniques The Art of Metal Spinning: A Step-By-Step Guide to Hand-Spinning Spinning Around: Spinning, Dyeing & Knitting Elizabeth Zimmermann's Classics Spinning Wheels, Spinners and Spinning (Craft Paperbacks) The X-15 Rocket Plane: Flying the First Wings into Space Flipping Out: The Art of Flip Book Animation: Learn to illustrate & create your own animated flip books step by step Internet Empire Profits: Create an Internet Business from Absolute Scratch with Domain Flipping & Associate Marketing Crochet for Kids: Basic Techniques & Great Projects that Kids Can Make Themselves The Happiest Kids in the World: How Dutch Parents Help Their Kids (and Themselves) by Doing Less 125 Cool Inventions: Supersmart Machines and Wacky Gadgets You Never Knew You Wanted! (National Geographic Kids) Gadgetology: Kitchen Fun with Your Kids, Using 35 Cooking Gadgets for Simple Recipes, Crafts, Games, and Experiments