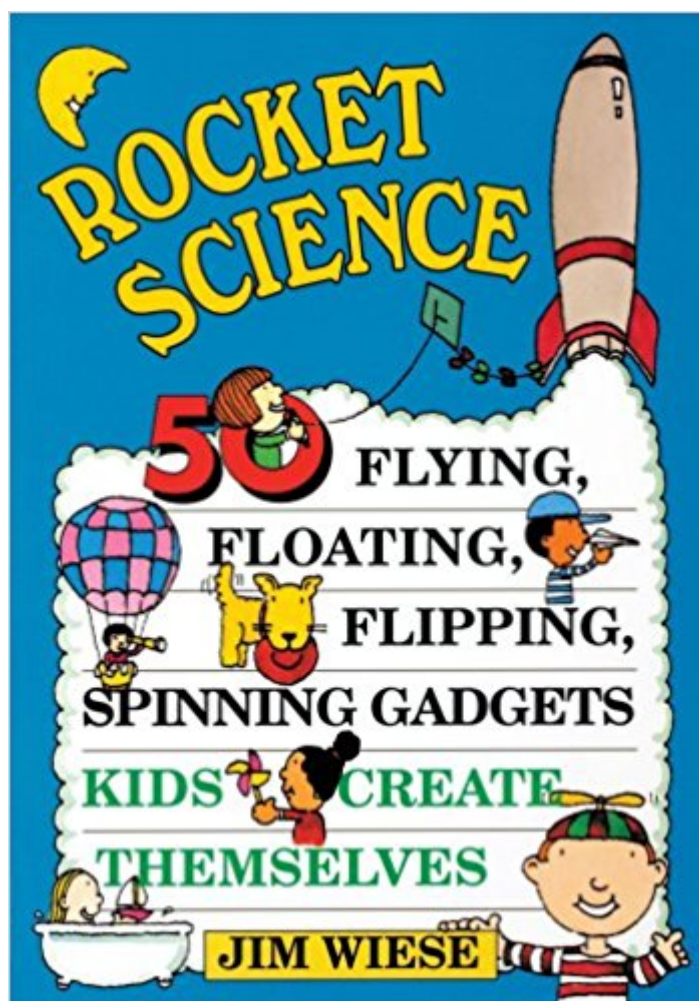


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# Rocket Science: 50 Flying, Floating, Flipping, Spinning Gadgets Kids Create Themselves



## 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

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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<sup>^</sup>-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 supplement 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.

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Rocket Science: 50 Flying, Floating, Flipping, Spinning Gadgets Kids Create Themselves US Army Technical Manual, ARMY AMMUNITION DATA SHEETS FOR ROCKETS, ROCKET SYSTEMS, ROCKET FUZES, ROCKET MOTORS, (FSC 1340), TM 43-0001-30, 1981 Electric Gadgets and Gizmos: Battery-Powered Buildable Gadgets that Go! (Kids Can Do It) The Flipping Blueprint: The Complete Plan for Flipping Houses and Creating Your Real Estate-Investing Business Real Estate: 25 Best Strategies for Real Estate Investing, Home Buying and Flipping Houses (Real Estate, Real

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