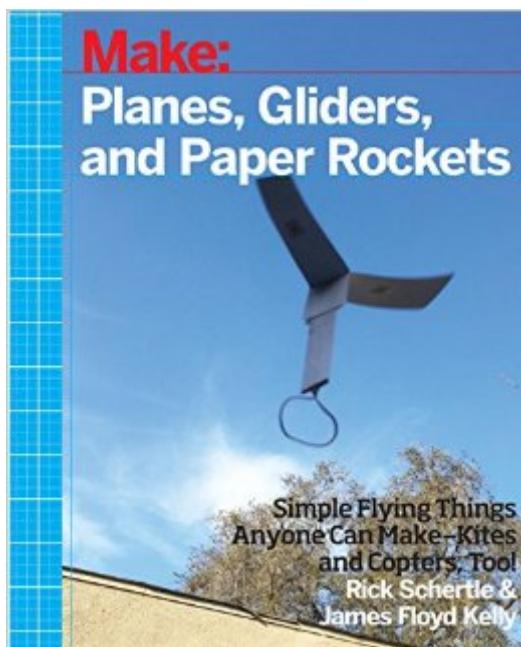


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# Planes, Gliders And Paper Rockets: Simple Flying Things Anyone Can Make--Kites And Copters, Too!



## Synopsis

Do helicopters need more or less energy to stay in the sky than an airplane? What pushes a rocket to leave the atmosphere? Why can airplanes have smaller motors than helicopters? Help your students learn the answers to these and other questions! Written for educators, homeschoolers, parents--and kids!--this fully illustrated book provides a fun mix of projects, discussion materials, instructions, and subjects for deeper investigation around the basics of homemade flying objects. With the projects in this book, you can spend more time learning and experimenting, and less time planning and preparing. Complete with download links to PDF templates that expand your teaching, this is your one-stop manual for learning about, interacting with, and being curious about airflow, gravity, torque, power, ballistics, pressure, and force. In *Make: Planes, Gliders, and Paper Rockets*, you'll make and experiment with: Paper catapult helicopter--add an LED light for night launches! Pull-string stick helicopter Rubber band airplane Simple sled kite 25-cent quick-build kite Air rockets with a parachute or a glider Foam air rocket Rocket stands Bounce rocket Low- and high-pressure rocket launchers

## Book Information

Series: Make

Paperback: 98 pages

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Shipping Weight: 12.6 ounces (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars See all reviews (4 customer reviews)

Best Sellers Rank: #132,591 in Books (See Top 100 in Books) #15 in Books > Children's Books > Activities, Crafts & Games > Crafts & Hobbies > Papercrafts #28 in Books > Children's Books > Activities, Crafts & Games > Crafts & Hobbies > Models #54 in Books > Children's Books > Education & Reference > Science Studies > Astronomy & Space > Aeronautics & Space

Age Range: 11 - 17 years

Grade Level: 4 - 7

## Customer Reviews

I wish I had found this book a few years ago when my son was younger. It would have greatly

helped established my "Dad Credentials" • when he came to me with his imaginative and fun project ideas. I am somewhat handy and can make some basic things, but having Planes, Gliders and Paper Rockets around as a ready reference guide sure would have helped. That said, if you have kids who want to start "making", this is a great, fun place to start. Planes, Gliders and Paper Rockets provides several projects from paper helicopters (with optional, but cool, LED lights), Rubber band airplanes, kites, foam air rockets and more. According to the book's preface, this is the first in a series of books from Maker Media and sets a good example for the other books in the series. I'll certainly be on the lookout for more like this. Each project provides some basic discussion starters about the scientific concepts involved in each project and then moves into a careful and well illustrated step-by-step guide for building and then flying the project. All the photos are clear and well-captioned. Templates are included when useful and a complete supplies list are provided for each project. Some projects can also be purchased from Make as complete kits, ready to be assembled. Planes, Gliders and Paper Rockets would be a great book for kids and adults to work through together, over the course of several weeks or months -- growing in skills with each project. Older kids could put together many of these projects on their own, if they were looking for a place to start their own maker adventures. Of course, a book like this could also be used in any educational environment to discuss a wide variety of engineering, aeronautical and scientific concepts.

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