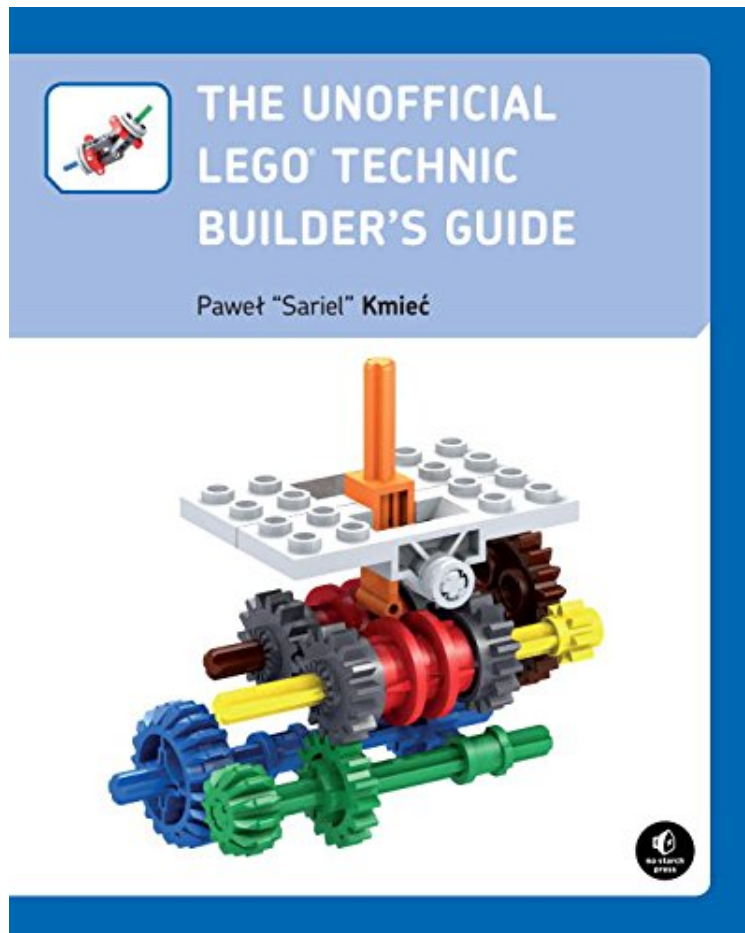


The Unofficial LEGO Technic Builder's Guide

Pawel "Sariel" Kmiec

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#438615 in Books No Starch Press 2012-11-06 2012-11-12Original language:EnglishPDF # 1 10.00 x .82 x 8.00l, 2.20 #File Name: 1593274343352 pagesNo Starch Press | File size: 73.Mb

Pawel "Sariel" Kmiec : The Unofficial LEGO Technic Builder's Guide before purchasing it in order to gage whether or not it would be worth my time, and all praised The Unofficial LEGO Technic Builder's Guide:

44 of 44 people found the following review helpful. Amazing resourceBy Robin A SherwoodI pre-ordered this book for my son and I have to say it has caused me to write one of my first ever reviews. It really is an incredible guide to building with Lego. lots of full color diagrams, complete build instructions for many complex components that you can integrate into your designs. Linkages, mounts, gearing systems, the works. Discusses differences between stud and studless construction. Has some good simple explanations about speed/power/torque. Obviously it will be basic if you are a mechanical engineer, but if you have a middle or high school student this will give them a solid background into the physics as well as the design challenges along with some really great cookbook examples of components that will make their models great.0 of 0 people found the following review helpful. Quality and absorbing read to build your knowledge of Lego Technic building conceptsBy GBTechnicThis book isn't geared for young kids, but then again neither are the mid-sized to large Lego Technic sets. I am an AFOL (adult fan of Lego) but am also relatively new to

this hobby. This book is very good at helping me to understand the engineering concepts that are used in this style of Lego so that I can build my own marvel and I would highly recommend it to passionate Lego teen or adult who isn't simply into Lego, but also has a growing interest in them S.T.E.M. related concepts that make Lego Technic such durable sets with marvelous functions that recreate real world vehicles and other things we love. If you've built a Lego Technic set and suddenly find pneumatics, car suspensions and steering, electronics, motors and real world construction equipment suddenly a new fascination this is the book for you. 3 of 3 people found the following review helpful. Excellent for anyone wanting some pretty technical engineering info as ... By Mom of Five Excellent for anyone wanting some pretty technical engineering info as it applies to Lego creations. Deep enough that I (with a math, physics, engineering background) have to read it slowly and have to stop occasionally to reset my brain. Almost a textbook. Strictly a grown-up (or extremely mature, motivated teen) book. I have 6 of the popular Lego-type books. This one is, by far, my favorite for learning how Lego mechanical designs work. But definitely not for the faint of heart.

The LEGO Technic system opens a new realm of building possibilities. Using motors, gears, pneumatics, pulleys, linkages, and more, you can design LEGO models that really move. The Unofficial LEGO Technic Builder's Guide is filled with building tips for creating strong yet elegant machines and mechanisms with the Technic system. Author Pawel "Sairel" Kmiec will teach you the foundations of LEGO Technic building, from simple machines to advanced mechanics, even explaining how to create realistic to-scale models. Sairel, a world-renowned LEGO Technic expert, offers unique insight into mechanical principles like torque, power translation, and gear ratios, all using Technic bricks. You'll learn how to: Create sturdy connections that can withstand serious stress Re-create specialized LEGO pieces like casings and u-joints, and build solutions like Schmidt and Oldham couplings, when no standard piece will do Build custom differentials, suspensions, transmissions, and steering systems Pick the right motor for the job and transform its properties to suit your needs Combine studfull and studless building styles for a stunning look Create remote-controlled vehicles, lighting systems, motorized compressors, and pneumatic engines This beautifully illustrated, full-color book will inspire you with ideas for building amazing machines like tanks with suspended treads, supercars, cranes, bulldozers, and much more. Your Technic adventure starts now!

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