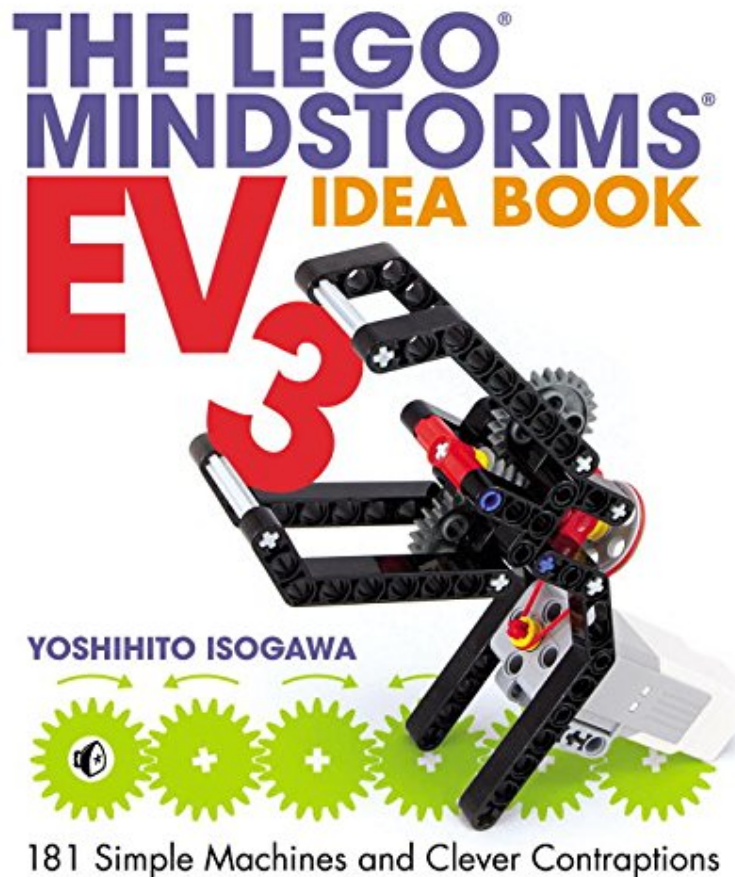


(Read now) The LEGO MINDSTORMS EV3 Idea Book: 181 Simple Machines and Clever Contraptions

The LEGO MINDSTORMS EV3 Idea Book: 181 Simple Machines and Clever Contraptions

Yoshihito Isogawa

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Yoshihito Isogawa : The LEGO MINDSTORMS EV3 Idea Book: 181 Simple Machines and Clever Contraptions before purchasing it in order to gage whether or not it would be worth my time, and all praised The LEGO MINDSTORMS EV3 Idea Book: 181 Simple Machines and Clever Contraptions:

1 of 1 people found the following review helpful. AMAZING resource for this FLL coach!By Sarah MarieThis book is just amazing! Students are introduced to many types of simple machines that can be built and used with the EV3 set. I have the educational Core and Expansion sets, but this could easily be used with the retail version.The full color format is fabulous! Every simple machine is displayed with all the steps and a graphic part list. Awesome!For FLL teams that need inspiration and practice on building attachments, this will be invaluable. There is also information on using the sensors.Of note, this book is entirely simple machines (attachments) for your EV3. If your students need direction on attaching these assemblies and creating an entire bot, I'd recommend The Art of Lego Mindstorms EV3

Programming by Terry Griffin and The Lego Mindstorms EV3 Discovery Book by Laurens Valk. 10 of 11 people found the following review helpful. Grabbers, Gears and Gadgets By jojojeanie007 Pretty cool book. Minimal text, great pictures. Perfect for the budding engineer. If you've got the programming, but need guidance on Lego mechanics, this book is for you. Good pictorial representations of gear ratios, and Lego geometry. Lots of great mechanisms to inspire your creativity. No text though, so you need to be comfortable with deciphering ideas from pictures. It is not focused on the programming side of Lego Mindstorms, but the mechanism side. It provides many examples of the mechanical subassemblies that are possible with the Lego Mindstorms kit. The EV3 idea book gives you mechanical building blocks, and some important mechanical principles that enable your robotic ideas to successfully come to life. 0 of 0 people found the following review helpful. 4/5 great book By R.W. It was a great book lots of great suggestions the only problem is that there are no instructions you have to go by pictures it was a little frustrating but not too frustrating. Overall a great book I do recommend buying it if you know how to build by pictures.

The LEGO MINDSTORMS EV3 Idea Book explores dozens of creative ways to build amazing mechanisms with the LEGO MINDSTORMS EV3 set. Each model includes a list of the required parts, minimal text, and colorful photographs from multiple angles so you can re-create it without the need for step-by-step instructions. You'll learn to build cars with real suspension, steerable crawlers, ball-shooters, grasping robotic arms, and other creative marvels. Each model demonstrates simple mechanical principles that you can use as building blocks for your own creations. Best of all, every part you need to build these machines comes in one LEGO set (#31313)!

"Minimalistic but highly informative...encouraging young engineers to apply problem solving and creativity to the endless combinations of mechanics." Booklist About the Author Yoshihito Isogawa is a LEGO luminary with 46 years of building experience. In addition to running Isogawa Studio, Inc., he regularly holds LEGO workshops, lectures at schools and science museums, and creates LEGO models for events and exhibitions. He is the author of the popular LEGO Technic Idea Book series (No Starch Press), as well as other Japanese-language LEGO titles.