

(Free pdf) Make: Tech DIY: Easy Electronics Projects for Parents and Kids

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Ji Sun Lee, Jaymes Dec

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Ji Sun Lee, Jaymes Dec : Make: Tech DIY: Easy Electronics Projects for Parents and Kids before purchasing it in order to gage whether or not it would be worth my time, and all praised Make: Tech DIY: Easy Electronics Projects for Parents and Kids:

3 of 3 people found the following review helpful. This is a fantastic book! Ji Sun Lee and Jaymes Dec thoughtfully ...By Maryann MolishusThis is a fantastic book! Ji Sun Lee and Jaymes Dec thoughtfully designed to book so children and adults who might be new to electronics can follow the directions and also learn the basics of the circuitry involved. With vivid photos and detailed sketches, the book supports learners who need to have visuals to understand directions. Even if you are an expert with electronic projects, you will most likely learn something new with this book. Have fun!0 of 0 people found the following review helpful. Great Hands-on LearningBy MS FACS teacherIf you want to understand conductive sewing and it's potential this book is for you! While it would have been nice to have

YouTube videos in addition to the handwritten explanations and illustrations about seeing details, the projects start simple and end with coding. It is a wonderful learning arch and I recommend going through every project - you will also be having a ton of fun! 7 of 7 people found the following review helpful. Don't let the title fool you...By Smart4If you're intimidated by the title, don't be! Ji Sun Lee and Jaymes Dec take the technical and make it understandable for all ages. In the preface, it is noted that Ji Sun realized the majority of Maker Faire projects were geared toward boys. This book brings the 'softer' side to electronics, with projects that are more appealing to girls, too. I LOVE that the educational world is bringing art back into the picture, especially in connection with science and electronics! Creative play is the foundation of invention. When it comes to supplies, you can get them from the local craft store, and here on . Search for "Sewable battery holder" and you'll get a few options, and search "Coin Cell Batteries" and make sure you match up the same numbers on each - CR2032 CR2025 CR2016 as examples. The conductive thread and LED lights are also available on , or a local electronics store. The book contains 10 different projects, each teaching about circuitry, and each appealing to either boys or girls. The supply lists are thorough, which really helps in getting ready for a project. The lessons covered in each project are: Circuits, switches, parallel circuits, LEDs, Motors, light sensors, timers, solar power, programming with Scratch and Makey Makey, and using snaps as a switch. When my kids were younger, I home schooled, and this would have been perfect for our science classes. My husband and I both intend to use some of the information to help us in our hobbies, after we do the projects with our niece and nephew. He is working on lighting up his LEGO city, and I make greeting cards and want to make some light up. If you're a parent or grandparent, don't wait for the kids to get their education at school. Teach them all you can at home, too!

Make: Tech DIY introduces younger children to the magic of electronics through the softer side of circuits! Young explorers will learn about electronics through sewing and craft projects aimed at maker parents and their children, elementary school teachers, and kids' activity leaders. Each project introduces new skills and new components in a progressive series of projects that take learners from the very basics to understanding how to use components such as sensors, transistors, and timers. The book is breezy, highly illustrated, and fun for everyone!

About the Author Ji Sun Lee is a professor in the department of Visual Media Design at Sookmyung Women's University in Korea. She has presented her works at Bay Area Maker Faire 2015 in California and staged a solo show at MediaNoche gallery in New York. This book grew out of her desire to share her love of technology with her young daughter.