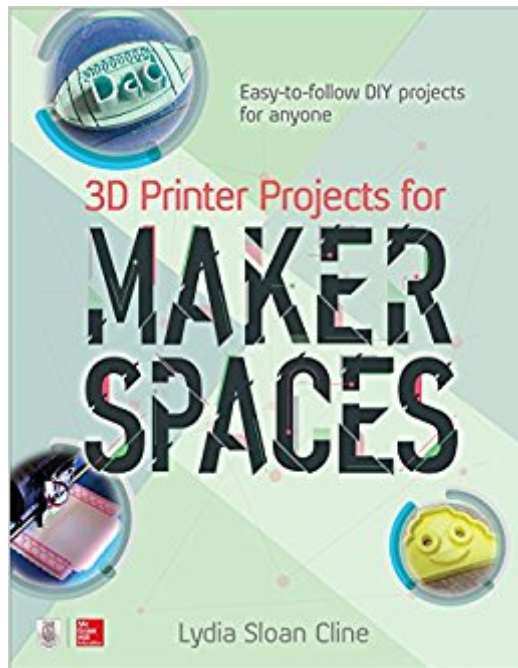**The book was found**

3D Printer Projects For Makerspaces (Electronics)

Synopsis

Learn To Model and Print 3D DesignsÃ¢â¬â¢No Experience Required!This easy-to-follow guide features twenty 3D printing projects for makers of all skill levels to enjoy. Written in a tutorial, step-by-step manner, 3D Printer Projects for MakerspacesÃ Â shows how to use Fusion 360, SketchUp, Meshmixer, Remake, and Inkscape to create fun and useful things. Scanning, slicers, silicone molds, settings, and build plate orientation are also covered, as well as post-processing methods that will make your prints really pop! Inside, youÃ¢â¬â„¢ll learn to model, analyze and print a:Ã¢â¬Â¢Ã Â Phone caseÃ¢â¬Â¢Ã Â Coin bankÃ¢â¬Â¢Ã Â Art stencilÃ¢â¬Â¢Ã Â Cookie cutterÃ¢â¬Â¢Ã Â Cookie dunkerÃ¢â¬Â¢Ã Â Personalized key fobÃ¢â¬Â¢Ã Â Lens cap holderÃ¢â¬Â¢Ã Â Lithophane night lightÃ¢â¬Â¢Ã Â Pencil cup with applied sketchÃ¢â¬Â¢Ã Â Business card with QR codeÃ¢â¬Â¢Ã Â Bronze pendant Ã¢â¬Â¢Ã Â Soap moldÃ¢â¬Â¢Ã Â Hanging lamp shadeÃ¢â¬Â¢Ã Â Scanned Buddha charmÃ¢â¬Â¢Ã Â And more!

Book Information

Series: Electronics

Paperback: 352 pages

Publisher: McGraw-Hill Education TAB; 1 edition (August 11, 2017)

Language: English

ISBN-10: 1259860388

ISBN-13: 978-1259860386

Product Dimensions: 8.5 x 0.8 x 10.7 inches

Shipping Weight: 1.7 pounds (View shipping rates and policies)

Average Customer Review: 3.5 out of 5 stars   2 customer reviews

Best Sellers Rank: #821,480 in Books (See Top 100 in Books)   #77 inÃ Â Books > Computers & Technology > Graphics & Design > 3D Printing   #84 inÃ Â Books > Children's Books > Education & Reference > Science Studies > Electricity & Electronics   #103 inÃ Â Books > Education & Teaching > Higher & Continuing Education > Vocational

Customer Reviews

Lydia Sloan Cline teaches drafting, digital modeling, and 3D printing classes at Johnson County Community College. She works for architecture firms and judges competitive technology events and science fairs. Lydia is the author of 3D Printing and CNC Fabrication with SketchUp and 3D Printing with Autodesk 123D, Tinkercad, and MakerBot.

First off itÃƒÂ¢Ã â¬Ã â„¢s important for parents to know ÃƒÂ¢Ã â¬Ã Å"What are MakerspacesÃƒÂ¢Ã â¬Ã Å•ÃƒÂ¢Ã â¬Ã â œ theyÃƒÂ¢Ã â¬Ã â„¢re a place in which people with shared interests, especially in computing or technology, can gather to work on projects while sharing ideas, equipment, and knowledge. They can be found in classrooms, the library, the community center, the church recreation room or the Y. In this case the book is focused on 3D Printer Projects.The range of hardware and software that this book is targeted to are the most popular ones out there today. The modeling programs are AutoDesk Fusion 360, Meshmixer, Tinkercad, 123D Design, AutoCAD, SketchUp Make & Pro, Inkscape, and Fuel 3D Studio. The four printers used are: MakerBot Replicator 2, MakerBot Mini+, Gcreate Gmax 1.5 XT+ and LulzBot Taz6. Now be aware that I volunteer at the local library and they have just set up a new 3D Printer Room in their Homework and Learning Lab so before I ordered this book I checked that it would be compatible with the ÃƒÂ¢Ã â¬Ã Å"technical stuffÃƒÂ¢Ã â¬Ã Å• they had available.In my instruction period to be a volunteer in this area I found the book helpful, indeed, and I actually used it to make several project on my own, though it was not part of the curriculum. When the day came for the kids to start the program I found several of them actually more knowledgeable than our ÃƒÂ¢Ã â¬Ã Å"expertÃƒÂ¢Ã â¬Ã Å• and I found some thumbing through my book with interest.There are 20 Projects in all: Architectural Symbol Coaster, Military Insignia Soap Mold, Hanging Lampshade, Reality Capture of a Buddha Charm, Lens Cap Holder, Phone Stand and many others. Each project starts with things youÃƒÂ¢Ã â¬Ã â„¢ll need. It then takes you step by step with lots of pictures and illustrations ends with ÃƒÂ¢Ã â¬Ã Å"Print it!ÃƒÂ¢Ã â¬Ã Å• Those expecting to learn how to make prosthetics for war veterans or animatronics worthy of Disney will be disappointed but as they say, you have to start somewhere.Now I have to admit that as an ÃƒÂ¢Ã â¬Ã Å"olderÃƒÂ¢Ã â¬Ã Å• lady I found these projects challenging. The book is also a great starting place for finding websites and resources that will further the learning experience.

This is a guide to making 3D projects with Maker Spaces. It is best used by Technology educators or parents and adults running children's programs for kids. The products are a bit cheesy, one is a poop emogi, created to delight late elementary or middle school kids. The book provides considerable instructions with photos to help the reader create the projects included in the book. Watching a three dimensional printer is cool and fun. Not sure the final products are very useful but I think the point is learning how to program the printer and producing the final project.

3D Printer Projects for Makerspaces (Electronics) Getting the Most Out of Makerspaces to Explore Arduino & Electronics Science Fair Projects With Electricity & Electronics: Electricity & Electronics Make: Lego and Arduino Projects: Projects for extending MINDSTORMS NXT with open-source electronics Ready-to-Use Printer's Ornaments and Dingbats: 1,611 Different Copyright-Free Designs Printed One Side No Art Without Craft: The Life Of Theodore Low De Vinne, Printer Printer's Error: Irreverent Stories from Book History Make: Technology on Your Time Volume 42: 3D Printer Buyer's Guide Technology for Makerspaces: A Guide to the Best Games, Gadgets, and Gizmos for Education and Innovation Getting the Most Out of Makerspaces to Build Robots Getting the Most Out of Makerspaces to Create with 3-D Printers Getting the Most Out of Makerspaces to Go from Idea to Market Getting the Most Out of Makerspaces to Build Unmanned Aerial Vehicles How to Use a 3D Printer That Printer of UdellÃ¢â ¬â„¢s Shocking! Where Does Electricity Come From? Electricity and Electronics for Kids - Children's Electricity & Electronics Digital Electronics: A Primer : Introductory Logic Circuit Design (Icp Primers in Electronics and Computer Science) Hacking Electronics: Learning Electronics with Arduino and Raspberry Pi, Second Edition Scaling and Integration of High-Speed Electronics and Optomechanical Systems (Selected Topics in Electronics and Systems) Woodworking: Woodworking Projects and Plans for Beginners: Step by Step to Start Your Own Woodworking Projects Today (WoodWorking, Woodworking Projects, Beginners, Step by Step)