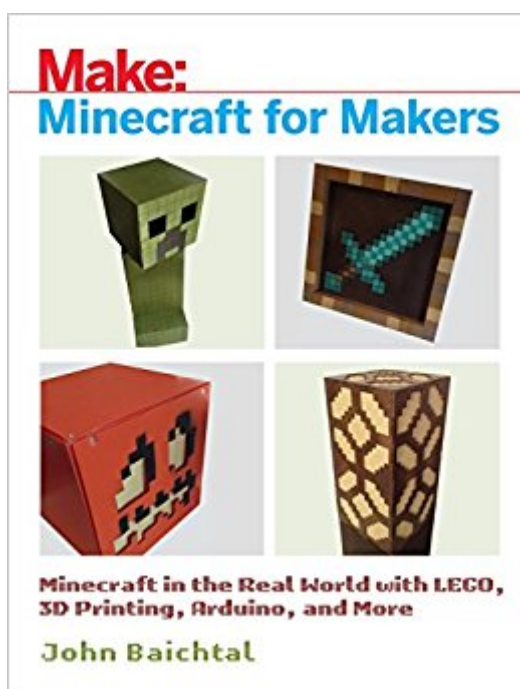The book was found

Minecraft For Makers: Minecraft In The Real World With LEGO, 3D Printing, Arduino, And More!

Synopsis

Minecraft has sold more than one hundred million copies worldwide (about 25 million of those units for the PC and Mac). According to Mojang, since the beginning of 2016 Minecraft continues to average 53,000 copies sold per day. Microsoft bought Minecraft (and Mojang) in 2014 for $2.5 billion. In 2016, Microsoft released a version of Minecraft specifically for educators called MinecraftEdu that is used by thousands of teachers around the world.Minecraft for Makers explores the intersection of this creative and beloved electronic game with the real world. It gives readers the opportunity to take familiar objects from the game - such as blocks, jack o'lanterns, and mobs - and make real-world versions of them. Begin with simple crafting projects using wood, paint, and LEGOs. Then move up to projects that involve basic electronics with LEDs. And, finally, advance to Arduino microcontroller projects that teach programming skills and basic robotics. The skills build progressively on one another, from chapter to chapter, and the emphasis is on fun all the way!Chapters include:Basic Projects (Item Frame with Diamond Sword, LEGO Minecraft Block, Minecraft Chess Pieces)LED Projects (Glowing Minecraft Block, Glowstone Chandelier, Minecraft Chess Board)Arduino Projects (Minecraft Jack O'Lantern, Night and Day Clock, Robot Creeper)

Book Information

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Average Customer Review: Be the first to review this item

Best Sellers Rank: #265,954 in Books (See Top 100 in Books)   #7 inÂ Books > Children's Books > Activities, Crafts & Games > Crafts & Hobbies > Woodworking   #21 inÂ Books > Computers & Technology > Graphics & Design > 3D Printing   #33 inÂ Books > Children's Books > Activities, Crafts & Games > Crafts & Hobbies > Models

Age Range: 9 - 15 years

Grade Level: 4 - 10

Customer Reviews

From the Introduction   One of the many charms of Minecraft involves translating the real world into the computer realm. How many examples of this have we seen? There is a Minecraft Taj Mahal, Tower of London, Washington DC Capitol, and a million others ranging from famous buildings to oneÃ¢Â Â™s childhood home.   Thanks to a simplified building system, anyone from beginners to experts can re-create these structures. Oftentimes the block-like nature of the Minecraft interface makes for awkward translations, but frequently these projects impress viewers with their faithfulness.   Ironically, many of the adorably awkward Minecraft elementsÃ¢Â Â"especially the most commonplace onesÃ¢Â Â"have no parallel in the real world. Finding a precise, one-meter block of granite in a forest is not something you can expect to happen very often outside of Minecraft, yet it occurs all the time in-game. There is, therefore, a delightful disconnect between the two realms that fascinates many players.   The purpose of the book is to reverse the paradigm of re-creating real-world elements in-game. Instead weÃ¢Â Â™ll take those eccentric Minecraft elements and introduce them to our world.   This book consists of nine projects that will guide you along this approach.

John Baichtal has written or edited over a dozen books, including the award-winning Cult of Lego (2011 No Starch Press), LEGO hacker bible Make: LEGO and Arduino Projects (2012 Maker Media) with Adam Wolf and Matthew Beckler, Robot Builder (Que 2014) and Basic Robot Building with LEGO Mindstorms NXT 2.0 (Que 2012), as well as Building Your Own Drones (forthcoming from Que). His most recent book is Maker Pro (Maker Media 2014), a collection of essays and interviews describing life as a professional maker. John lives in Minneapolis with his wife and three children.

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