

Lego Mindstorms NXT 2.0 for Teens

Jr. Jerry Lee Ford

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Jr. Jerry Lee Ford : Lego Mindstorms NXT 2.0 for Teens before purchasing it in order to gage whether or not it would be worth my time, and all praised Lego Mindstorms NXT 2.0 for Teens:

10 of 10 people found the following review helpful. Book is not for an Advance NXT userBy CustomerMy son, 9 years old, after having read "The LEGO MINDSTORMS NXT 2.0 Discovery Book: A Beginner's Guide to Building and Programming Robots" and "The Unofficial LEGO MINDSTORMS NXT 2.0 Inventor's Guide", did not find this book (Lego Mindstorms NXT 2.0 for Teens)challenging enough. I guess in our case, the words " For Teens" was a bit misleading!0 of 0 people found the following review helpful. Five StarsBy Luis Meja MondragnExcellent!

Learn how to create amazing robotic creations with LEGO MINDSTORMS NXT 2.0 FOR TEENS. This step-by-step guide shows beginners how to use the Lego Mindstorms NXT 2.0 kit and their computer to build fantastic robots, animals, vehicles, and so much more. Everything you need is included in the Lego Mindstorms kit, including a microcomputer, electronic motors and sensors, as well as various Lego Bricks and Lego Technic pieces like beams,

axles, and gears. The kit also includes a software programming language called NXT-G, which is used to write the programs that are downloaded into your robotic creations in order to bring them to life. NXT-G is an icon based, drag-and-drop language, which means that there is no complex programming language that must be mastered. Throughout the book, you'll follow hands-on instruction through the three-step process needed to build your creations. First you use Lego Bricks to create your robot. Then you use NXT-G to write the program code that makes your creations work. Then you download the program code into the NXT Brick, a small microcomputer that is the brain of your creations, and then step back and watch them come alive. With this book you'll learn how to build all sorts of robotic creations and how to program the code that will make them come to life. The only limit is your imagination.

1. Lego Mindstorms NXT Overview. 2. Getting Started. 3. Working with Robotic Motors and Sernsors. 4. Adding Blocks and Gears. 5. Getting to Know the NXT-G Development Environment. 6. Basic NXT-G Programming Concepts. 7. Working with Code Blocks. 8. Advanced Programming Techniques. 9. "Warning Will Robinson!" - A Robotic Watch Guard. 10. Speed Racer - A Robotic Race Car. 11. Crusher - A Robotic Crane. 12. Crusher Claw - Building a Robotic Arm. 13. War Machine - A Robotic Armored Tank.

About the Author Jerry Lee Ford, Jr. is an author, educator, and an IT professional with over 21 years of experience in information technology, including roles as an automation analyst, technical manager, technical support analyst, automation engineer, and security analyst. He is the author of 36 books and co-author of two additional books. His published works include Ajax Programming for the Absolute Beginner ; HTML, XHTML, and CSS for the Absolute Beginner ; XNA 3.1 Game Development for Teens ; Scratch Programming for Teens ; and Microsoft Visual Basic 2008 Express Programming for the Absolute Beginner. Ford has a master's degree in business administration from Virginia Commonwealth University in Richmond, Virginia, and has over five years of experience as an adjunct instructor teaching networking courses in information technology.