



# LEGO MINDSTORMS NXT 2.0: The King's Treasure (Technology in Action)

*James Floyd Kelly*

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Follow the adventures of Evan and his archaeologist uncle as they explore for treasure from an ancient kingdom. Help them succeed by building a series of five robots using LEGO's popular MINDSTORMS NXT 2.0 robotics kit. Without your robots, Evan and his uncle are doomed to failure and in grave danger. Your robots are the key to their success in unlocking the secret of *The King's Treasure*!

In this sequel to the immensely popular book, *LEGO MINDSTORMS NXT: The Mayan Adventure*, you get both an engaging story and a personal tutorial on robotics programming. You'll learn about the motors and sensors in your NXT 2.0 kit. You'll learn to constructively brainstorm solutions to problems. And you'll follow clear, photo-illustrated instructions that help you build, test, and operate a series of five robots corresponding to the five challenges Evan and his uncle must overcome in their search for lost treasure.

- Provides an excellent series of parent/child projects
- Builds creative and problem-solving skills
- Lays a foundation for success and fun with LEGO MINDSTORMS NXT 2.0

**Please note:** the print version of this title is black & white; the eBook is full color.

## What you'll learn

- Build working robots using the LEGO MINDSTORMS NXT 2.0 kit
- Constructively brainstorm solutions to challenging problems
- Troubleshoot when your robots do not work as you expect
- Design with a repeatable method, not randomly
- Document your designs using the Design Journal Worksheet
- Program your robots using the NXT-G graphical programming language

## Who this book is for

*LEGO MINDSTORMS NXT 2.0: The King's Treasure* is written for children ages 10 and up who want to learn to design, build, and operate robots using LEGO's immensely popular MINDSTORMS NXT 2.0 robotics kit. The book leads readers through a series of five projects centered on an engaging story line. It can be read by kids alone, or it can provide the spark for a wonderful series of parent/child activities. Teachers and FIRST LEGO League leaders can use the book teach NXT 2.0 programming, and will find complete instructions for building five sample robots and creating five programs.

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