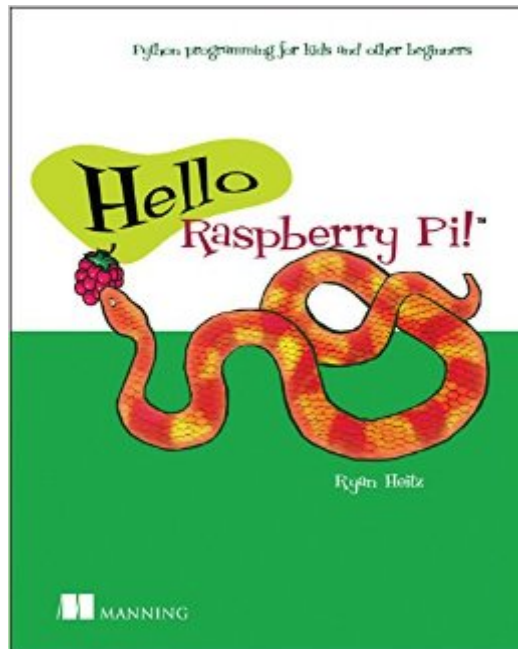


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# Hello Raspberry Pi!: Python Programming For Kids And Other Beginners



## Synopsis

**Summary**A fun and imaginative way for kids and other beginners to take their first steps programming on a Raspberry Pi. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

**About the Technology**The Raspberry Pi is a small, low-cost computer invented to encourage experimentation. The Pi is a snap to set up, and using the free Python programming language, you can learn to create video games, control robots, and maybe even write programs to do your math homework!

**About the Book**Hello Raspberry Pi! is a fun way for kids to take their first steps programming on a Raspberry Pi. First, you discover how to set up and navigate the Pi. Next, begin Python programming by learning basic concepts with engaging challenges and games. This book gives you an introduction to computer programming as you gain the confidence to explore, learn, and create on your own. The last part of the book introduces you to the world of computer control of physical objects, where you create interactive projects with lights, buttons, and sounds.

**What's Inside**Learn Python with fun examplesWrite games and control electronicsUse Pygame for video game sounds and graphicsLoaded with programming exercises

**About the Reader**To use this book, you'll need a Raspberry Pi starter kit, keyboard, mouse, and monitor. No programming experience needed.

**Table of Contents**PART 1 GETTING STARTED 1Meet Raspberry PiExploring PythonPART 2 PLAYING WITH PYTHON3Silly Sentence Generator 3000: creating interactive programsNorwegian Blue parrot game: adding logic to programsRaspi's Cave AdventurePART 3 PI AND PYTHON PROJECTS4Blinky PiLight Up Guessing GameDJ RaspiAPPENDIXES5Raspberry Pi troubleshootingRaspberry Pi ports and legacy boardsSolutions to chapter challengesRaspberry Pi projects

## Book Information

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Hardware & DIY > Single Board Computers #230 in Books > Computers & Technology > Games & Strategy Guides > Game Programming

Age Range: 9 - 16 years

Grade Level: 4 - 7

## Customer Reviews

View larger Hello Raspberry Pi!: Python Programming for Kids and Other Beginners The Raspberry Pi provides an excellent platform for learning to program in Python. It includes many input and output ports to give you flexibility in how you connect it. As you would with a desktop computer, you need to connect a keyboard, mouse, monitor, and power cable before you can start using your Pi.

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