Actual STEM, serious fun

CircuitMess

WHEELSON

Wheelson

Build & code your own
AI self-driving car

Wheelson is a small DIY self-driving car that uses electromotors and microcomputers to autonomously navigate while driving.

HOW IT WORKS?

1 Assemble your own autonomous vehicle

2 Take it for a test drive

3 Enable autonomous driving mode

4 Code your own program for Wheelson
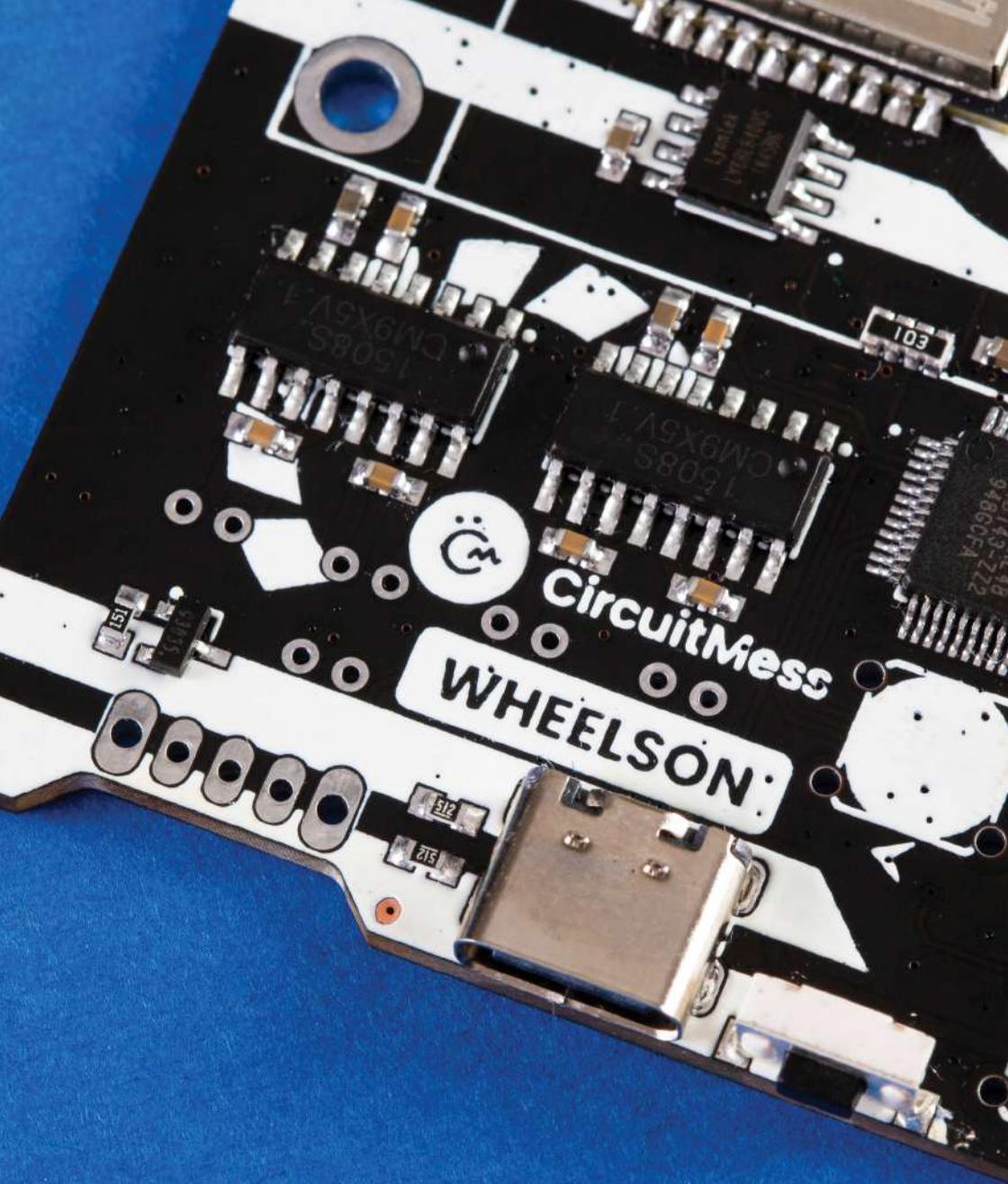
✕ What educational toys should NOT do:

Lack actual useful educational content

Be a label for cheap regular toys

Enforce gender stereotypes

✓ What educational toys should do:

Teach you actual science

Provide hours of building and infinite enjoyment

Provide real-world application

You'll learn about hardware

Learn how to assemble a small **4-wheeled robot**

Learn about the **main components** of an autonomous car

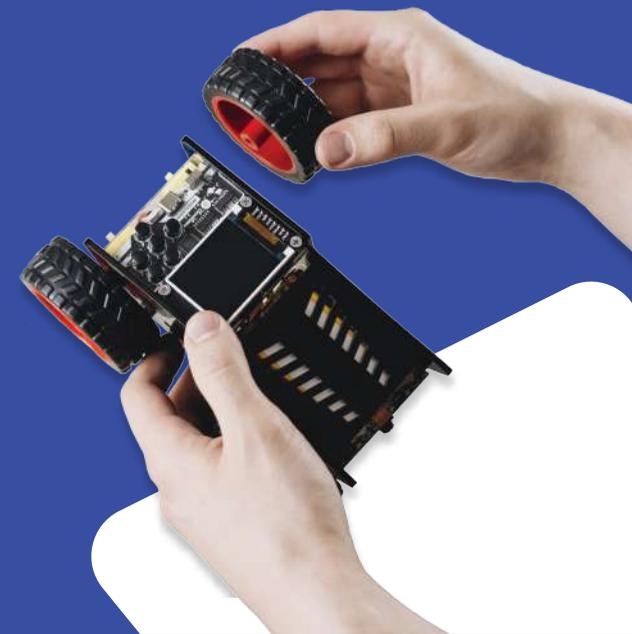Learn about **electromotors** and how Wheelson's battery management circuits work

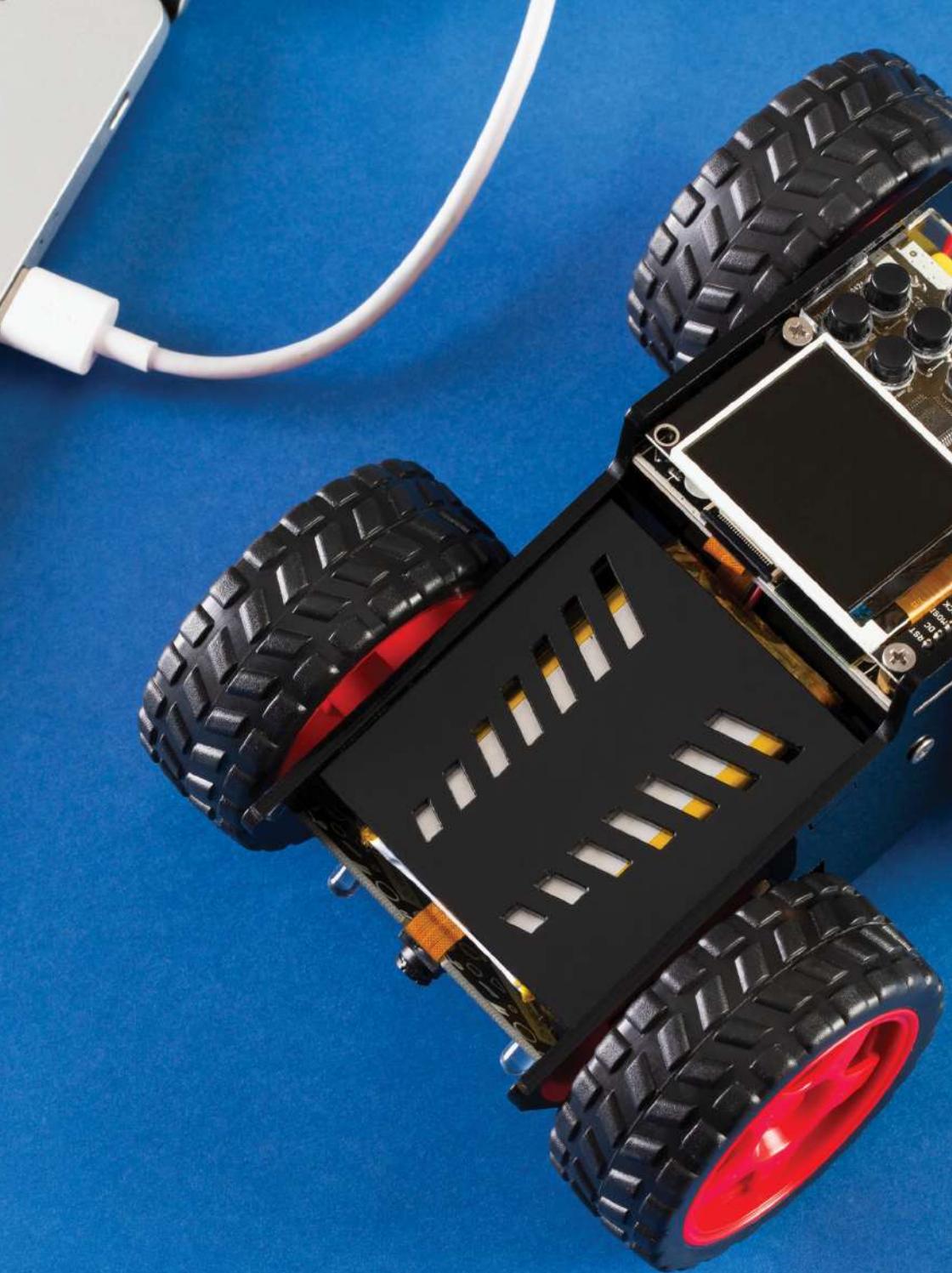Learn about Wheelson's **sensors** and how you can calibrate its camera for efficient driving

~3 hours build time

Ages 11+

You'll learn about software

Learn how to control an electromotor using a **microcomputer**

Learn how autonomous cars work and how to make your car navigate a road **autonomously**

Learn how to recognize and scan a QR code using your **robot's camera**

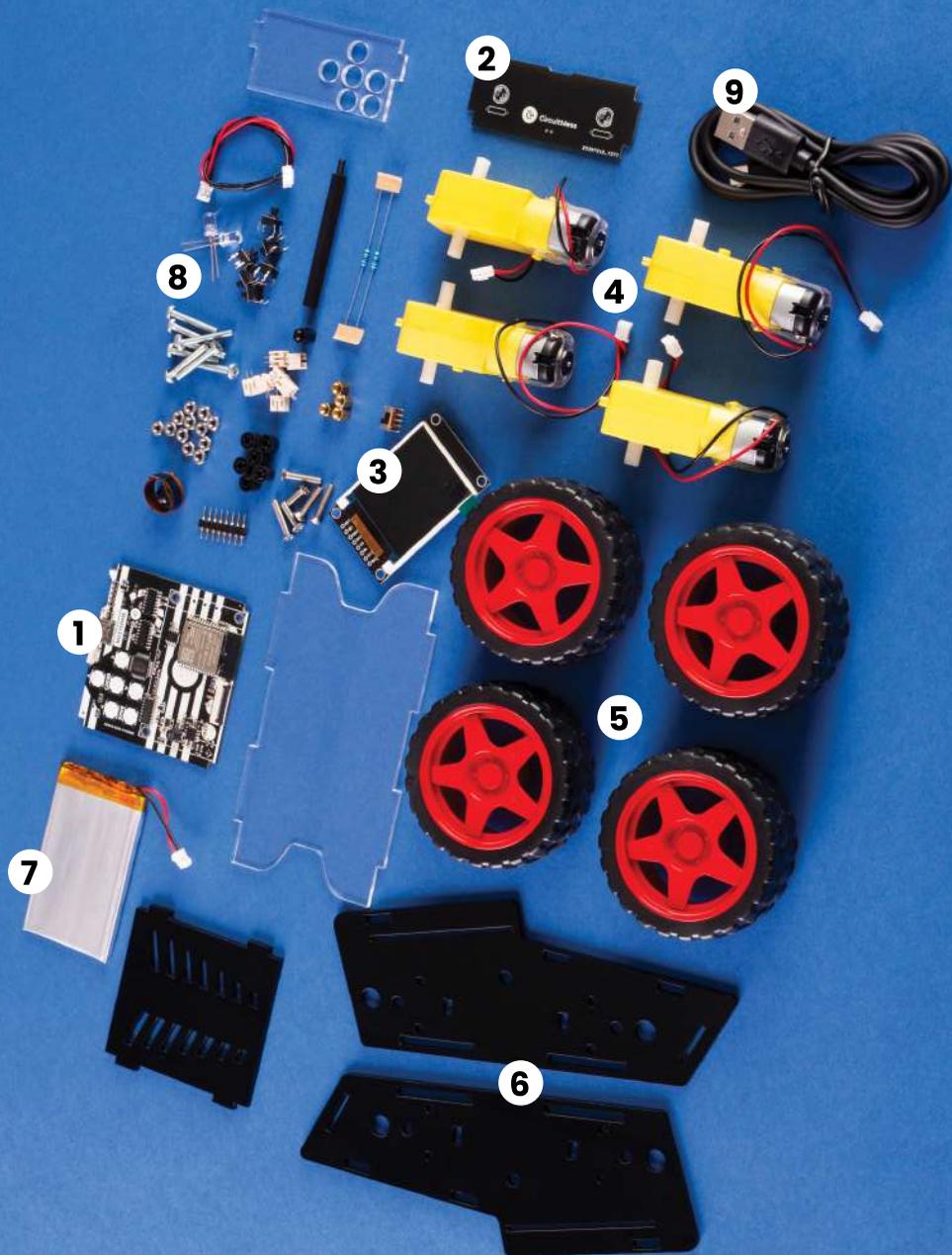Learn how to recognize different objects using a camera and **image processing algorithms**

10 hours of learning

Infinite fun

What's inside the box?

1	Main circuit board	6	Plastic chassis
2	Camera and headlights board	7	Li-Po battery
3	Display board	8	Bag of small components
4	Four electromotors	9	USB-C cable for charging and programming
5	Wheels		

Things you can do with Wheelson as soon as you assemble him

- Drive your newly assembled robot buddy around
- Code Wheelson to drive autonomously using its camera
- Make it recognize QR codes and flash the built-in RGB LED
- Make a custom program in CircuitBlocks
- Play with built-in line tracking and object recognition algorithms

Getting started with coding has never been easier

You can code Wheelson in CircuitBlocks - our custom-made code editor similar to Scratch that makes it easy for beginners to get into physical computing.

Circuit **BLOCKS**

Logic blocks

C++ coding

Get instructions from our custom-made curriculum

🕐
15+ hours of content

😊
Teacher and student friendly

⑂
Structured lessons

3 main topics

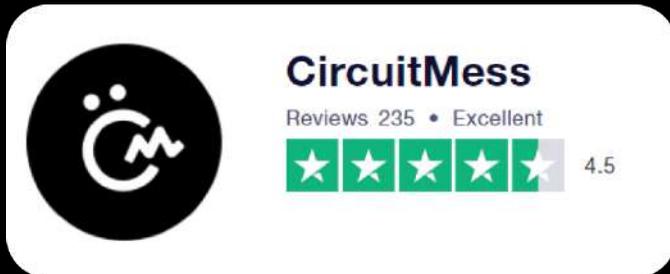Get to know electronics through hands-on activities. Assemble the kit and create your own apps and games.

⚒ **Assembly**

▯ **Electronics**

</> **Programming**

People all around the world love it!

CircuitMess
Reviews 235 • Excellent
★★★★☆ 4.5

★★★★★ **Mladen Stanke, Croatia**

Great products. Instructive, intersting. The games are great for both seniors and juniors. The support is great. Fast, concrete, staff friendly. Well done.

★★★★★ **Matt, Germany**

Great products with a fantastic message. Fast delivery. A joy to use and play with for kids and adults as well.

★★★★★ **Francis Ellington, USA**

More was provided than I expected, most especially the customer service, which I utilized to a fair degree, and they were helping 100% of the way!

As seen in media

Mashable

"It is surprisingly cool looking and unmistakably retro."

Forbes

"What sells MAKERbuino is the sense of satisfaction, accomplishment, and ownership that comes with assembling your own game console from scratch."

Tech Crunch

"It's a fun project and maybe you could make it your weird home messaging machine. I don't know. Be creative."

$400k+ raised on Kickstarter

$408,749
raised out of a $15,000 goal

2,001
backers

orders@circuitmess.com

CircuitMess

WHEELSON