

Design a Helper Robot

Time: 25 minutes

You need

- ☐ Paper
- ☐ Pencil and colours
- ☐ Recycled boxes (optional)

Steps

- 1** Choose a job for your robot, such as watering plants or sorting socks.
- 2** Draw your robot and label 3 sensors (like eyes, ears, touch) and what each one notices.
- 3** Label how it moves: wheels, legs, or arms.
- 4** Write 5 steps of its program in plain words.
- 5** Present your robot to someone and answer their questions.

Before you start: what do I think will happen?

My observations

Table 1. Parts of my robot

Part	What it does	Sensor or motor?

Table 2. My robot's program

Step	What the robot does
Step 1	
Step 2	
Step 3	
Step 4	
Step 5	

Think about it

Which part of your robot would be hardest to build?

How would your robot know it made a mistake?

Draw or stick your work here

Name: _____ Date: _____

Jobspark · Ask a grown-up to help whenever you need.