BROWN DOG
Gadgets
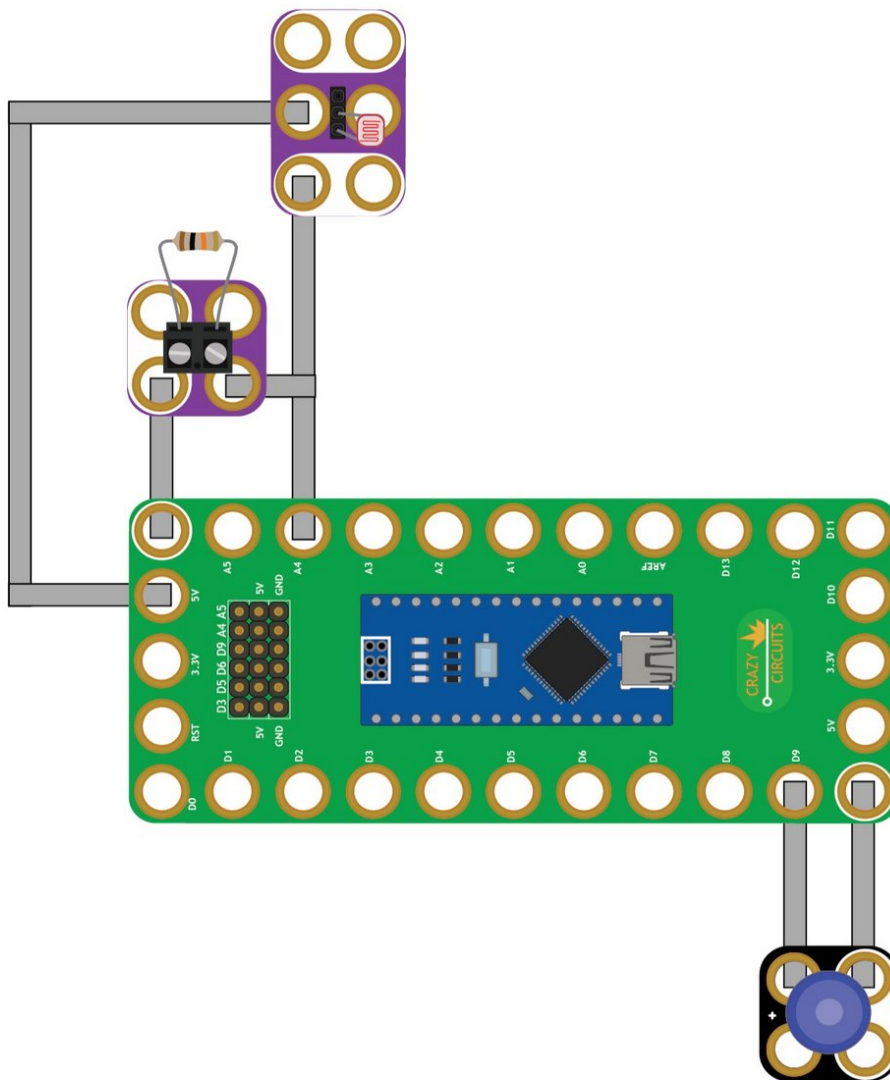
07 - Light Dependent Resistor with LED

Use our Programming 101 kit to control an LED with a light dependent resistor.

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INTRODUCTION

Use our Robotics Board to control an LED with a light dependent resistor.

TOOLS:

- Scissors (1)
- Computer (1)
- Slotted Screwdriver (1)

PARTS:

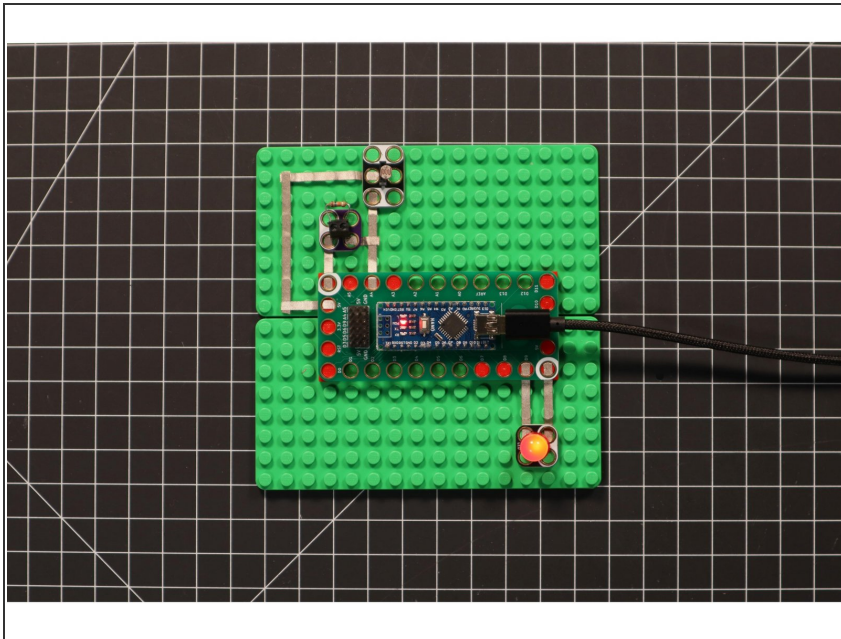- Crazy Circuits Robotics Board (1)
- Light Dependent Resistor (1)
- 10K Ohm Resistor (1)
- Female Header Chip (1)
- Crazy Circuits Screw Terminal Chip (1)
- Crazy Circuits LED Chip (1)
- Maker Tape (1)
  1/8" Wide
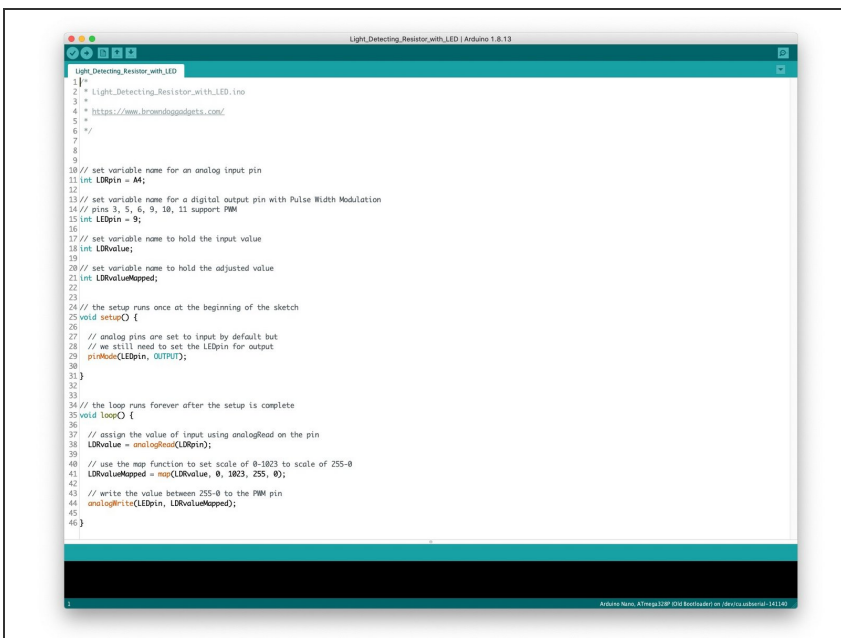
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Step 1 — Build the Circuit

- Build the circuit as shown in the diagram using the components specified.

- ⓘ The light dependent resistor can be inserted into two of the pin sockets on the Female Header component.

- ⓘ The standard resistor can be inserted into the Screw Terminal component. (You'll need a small screwdriver to tighten the connectors.)

Step 2 — Upload the Code

- Upload the Arduino sketch to the Robotics Board.

- You can find the code here: https://github.com/BrownDogGadgets /Progr...

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