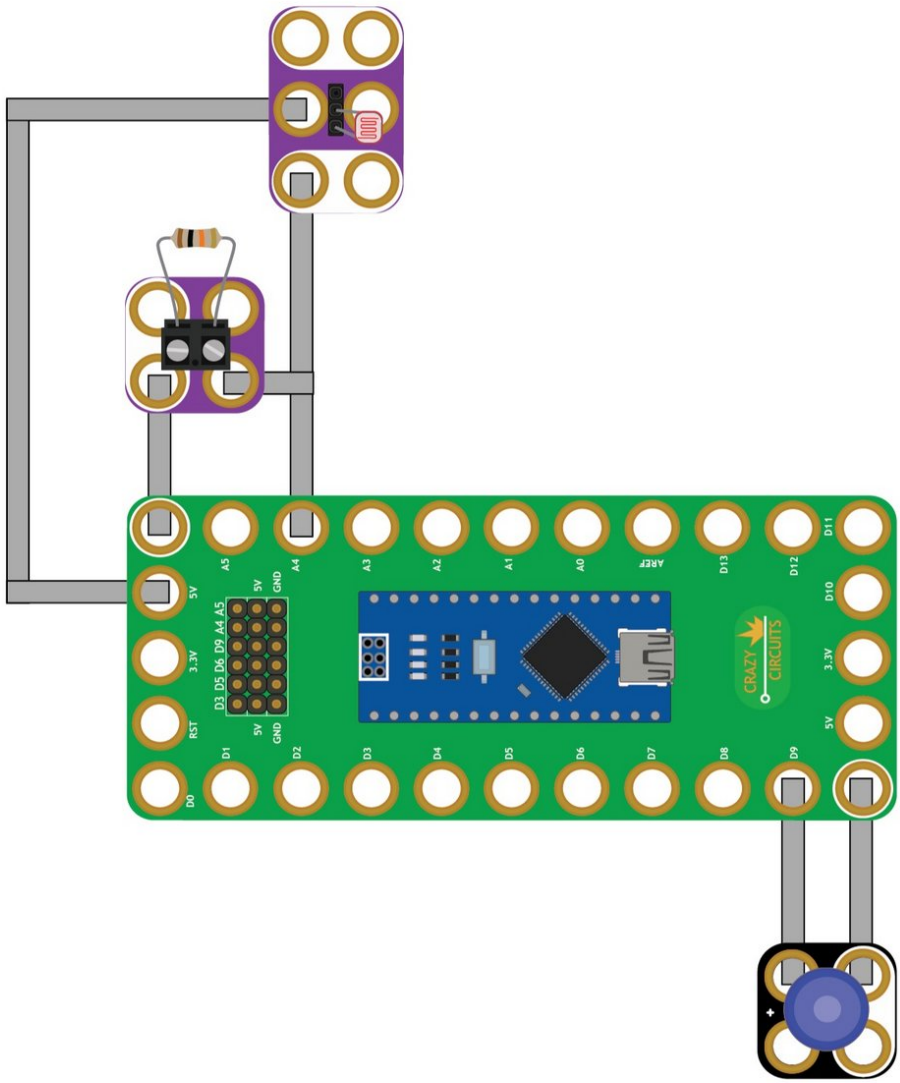
07 - Light Dependent Resistor with LED

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

Written By: Pete Prodoehl



INTRODUCTION

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

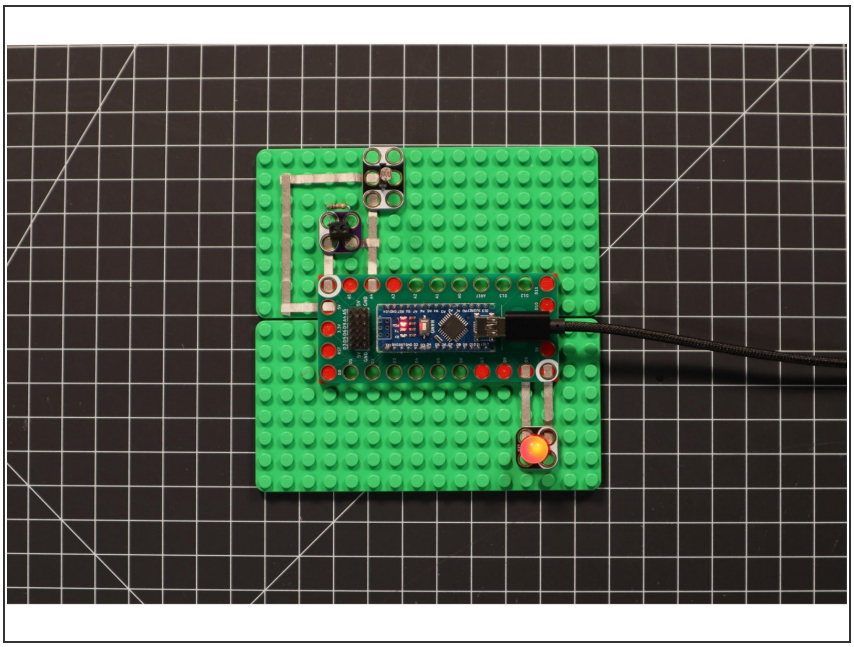
TOOLS:

- Scissors (1)
- Computer (1)
- Small Slotted Screwdriver (Flat Head) (1)

PARTS:

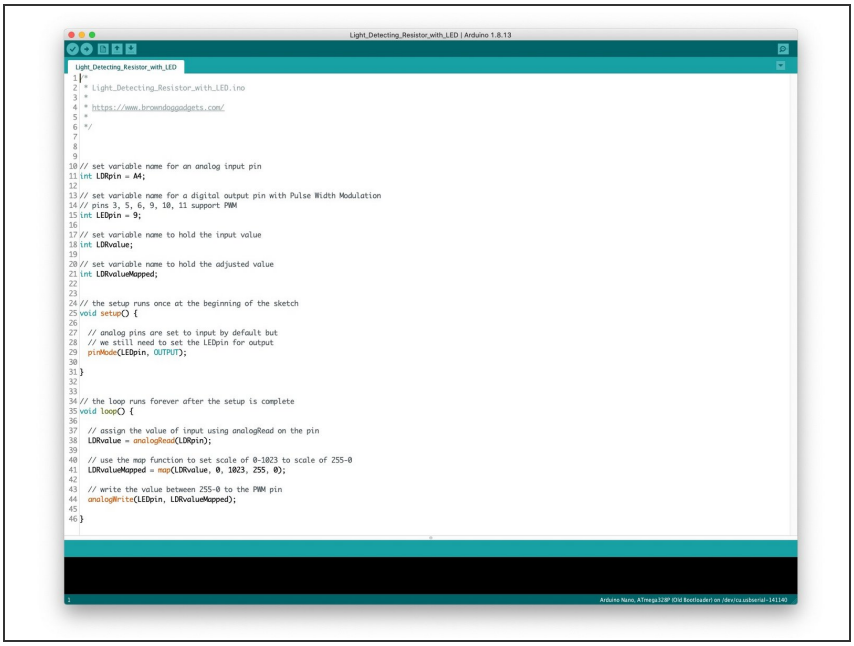
- Crazy Circuits Robotics Board (1)
- Light Dependent Resistor (1)
- 10K Ohm Resistor (1)
- Female Header Chip (1)
- Crazy Circuits Screw Terminal Chip (1)
- Crazy Circuits LED Chip (1)
- Maker Tape (1)
  1/8" Wide

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...