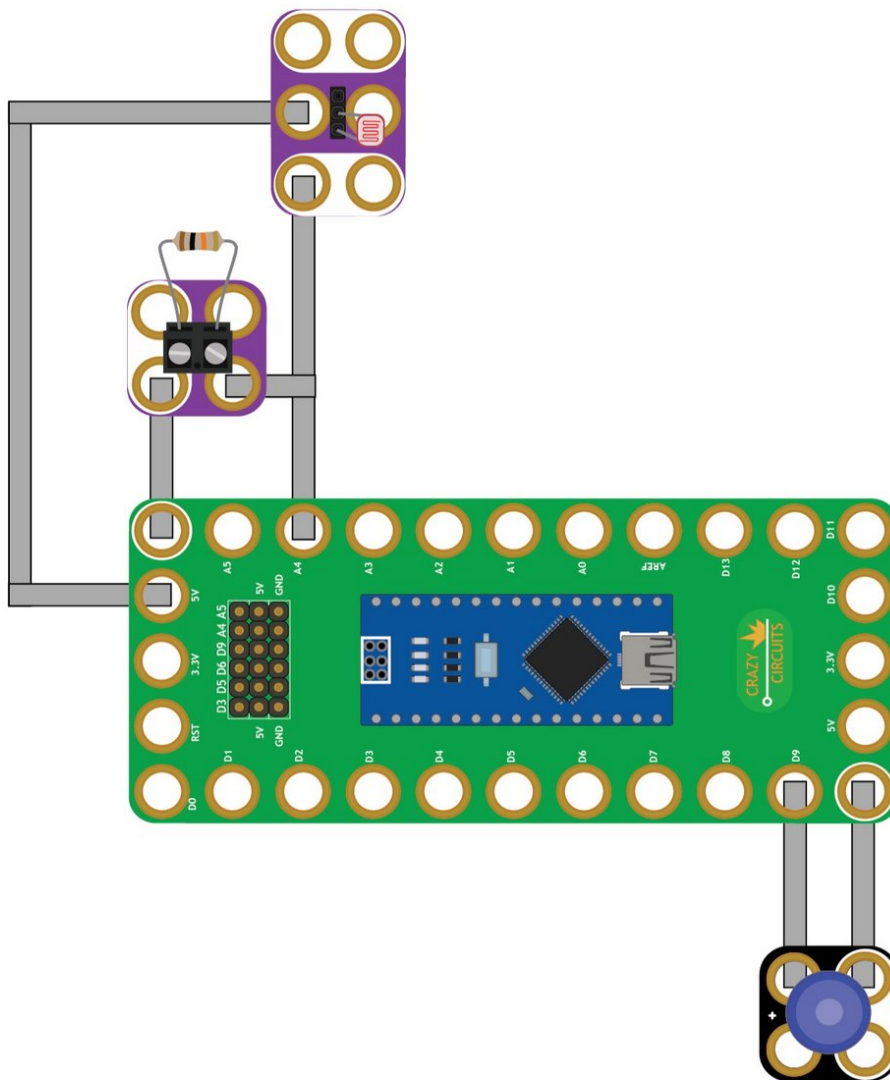




07 - Light Dependent Resistor with LED

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:

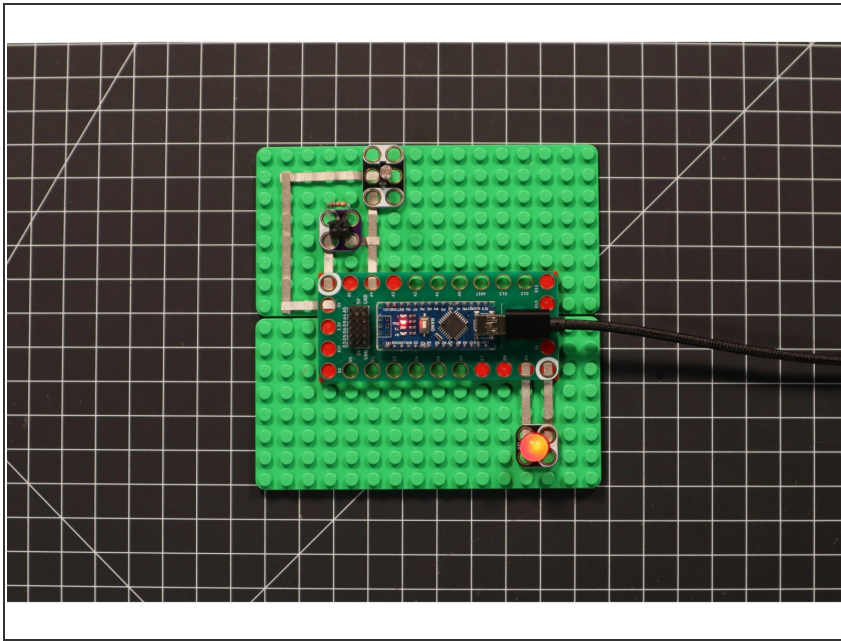
- [Scissors](#) (1)
- [Computer](#) (1)
- [Slotted Screwdriver](#) (1)



PARTS:

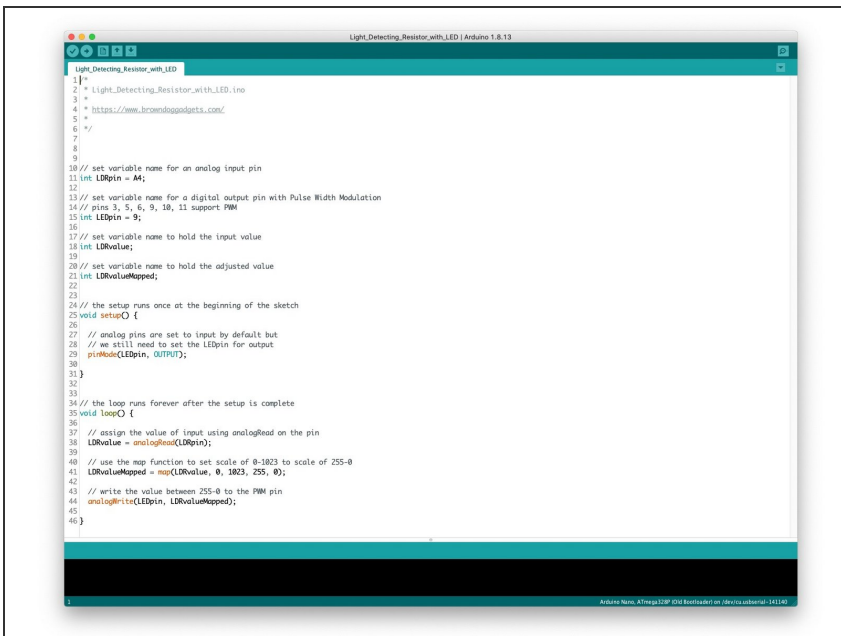
- [Crazy Circuits Robotics Board](#) (1)
- [Light Dependent Resistor](#) (1)
- [10K Ohm Resistor](#) (1)
- [Female Header Chip](#) (1)
- [Crazy Circuits Screw Terminal Chip](#) (1)
- [Crazy Circuits LED Chip](#) (1)
- [Maker Tape 1/8th inch](#) (1)

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...>