07 - Light Detecting Resistor with LED

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

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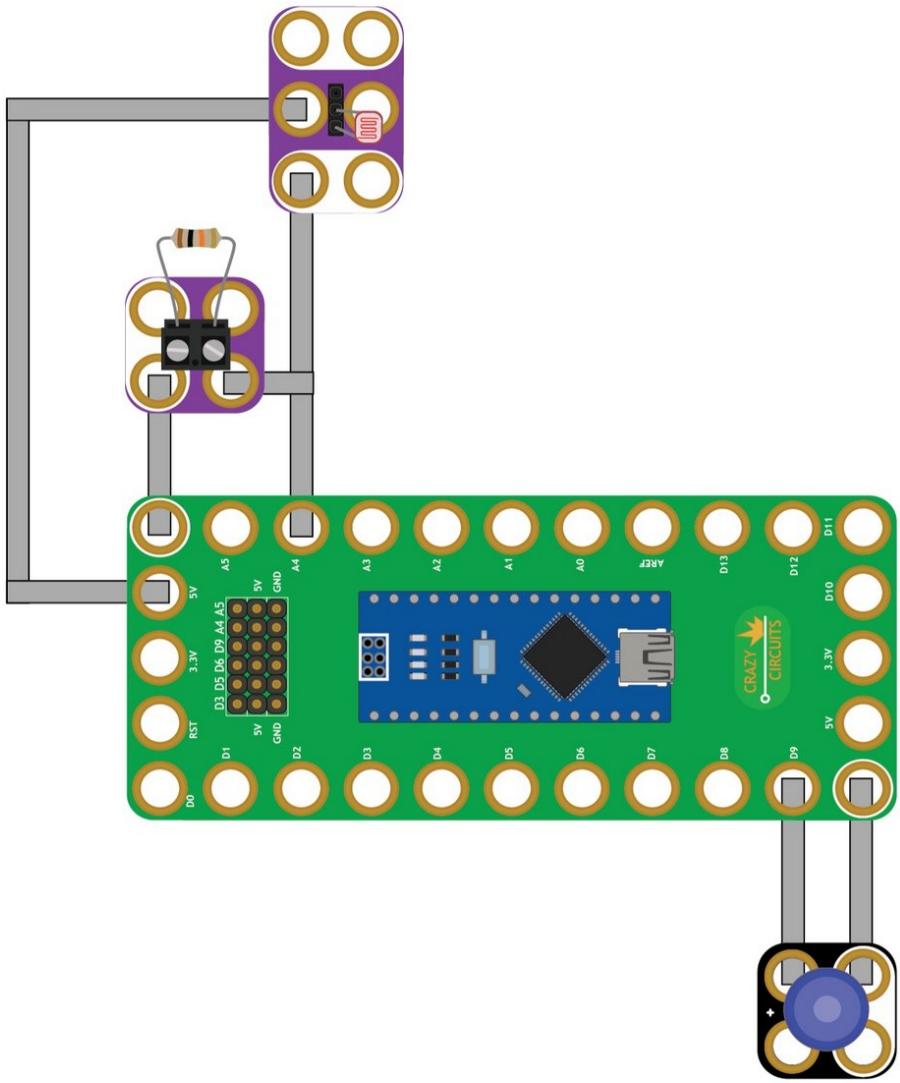


INTRODUCTION

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

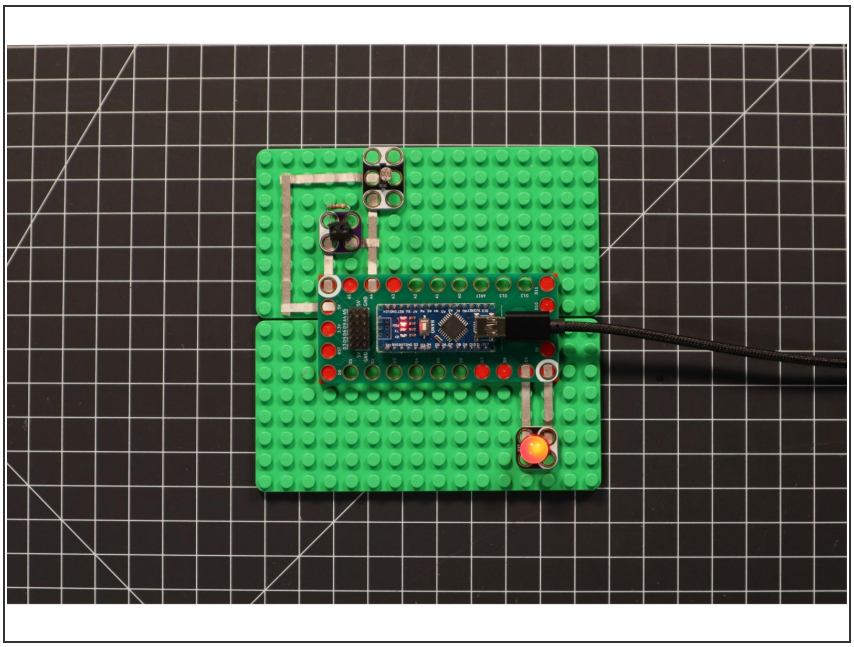
TOOLS:

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

PARTS:

- Crazy Circuits Robotics Board (1)
- Light Detecting Resistor (1)
- Female Header Chip (1)
- 100K Ohm Resistor (1)
- Screw Terminal Chip (1)
- Jumbo 10mm Diffused LED (1)
- Maker Tape 1/8th inch (1)

Step 1 — Build the Circuit

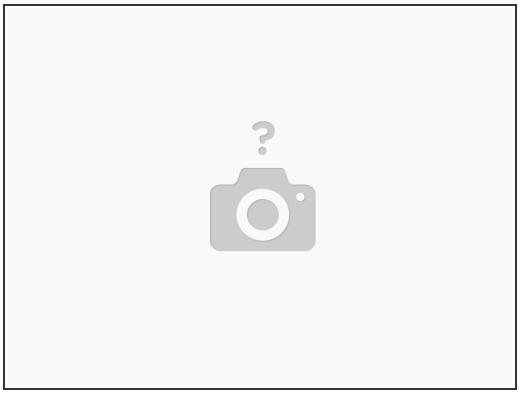


- Build the circuit as shown in the diagram using the components specified.

ⓘ The light detecting 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/Crazy...