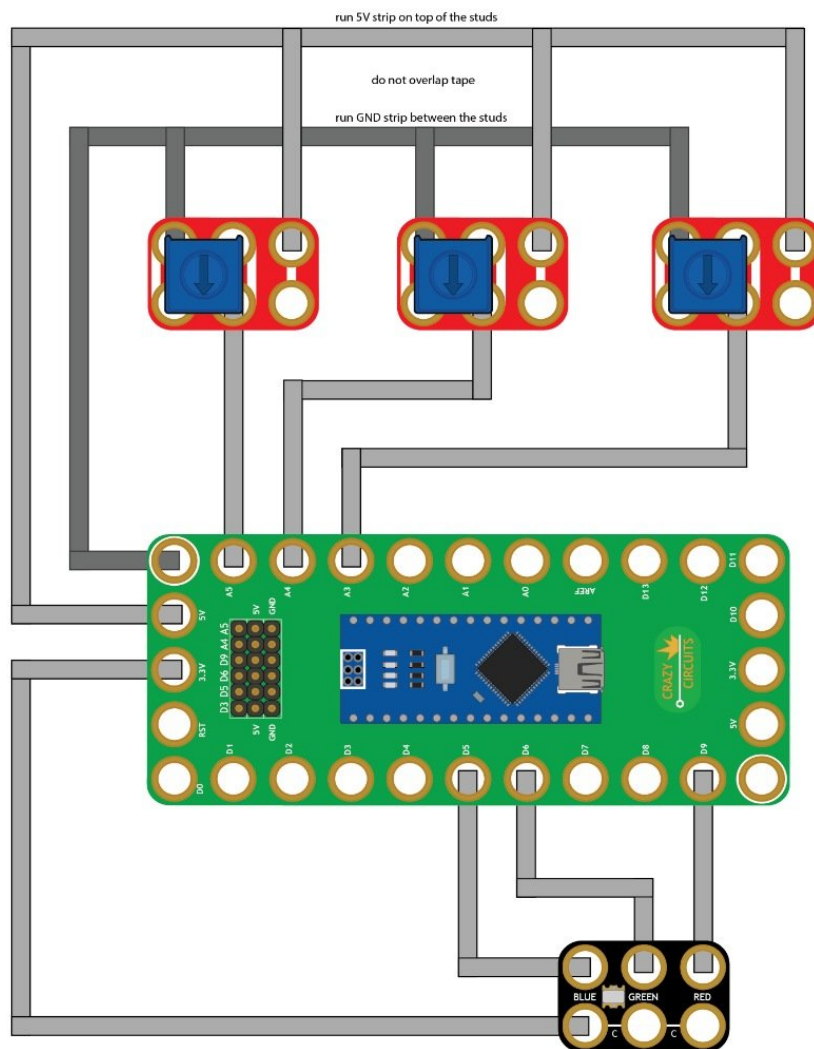BROWN DOG
Gadgets

# 12 - 3 Potentiometers with RGB LED

Use our Programming 101 kit to control and RGB LED with three potentiometers.

Written By: Pete Prodoehl

# INTRODUCTION

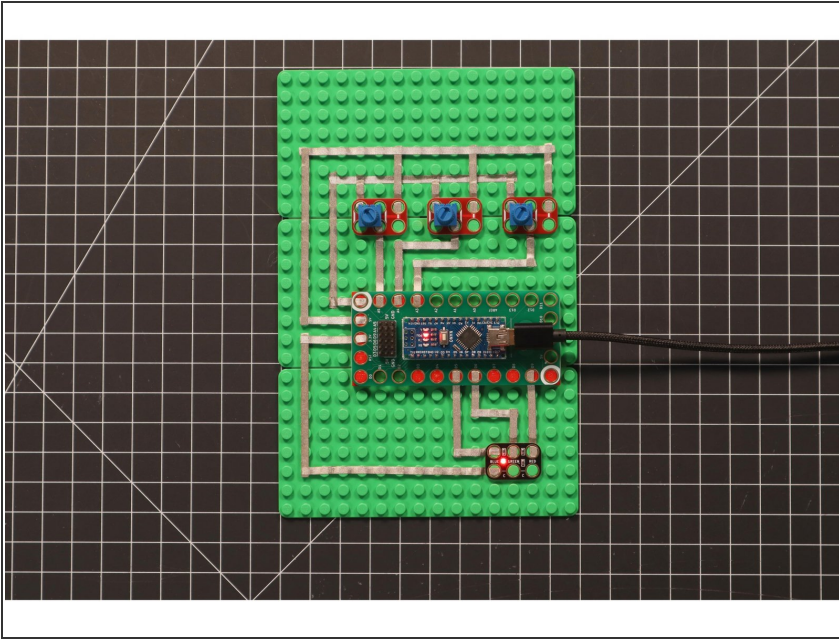Use our Robotics Board to control and RGB LED with three potentiometers.

## TOOLS:

- Scissors (1)
- Computer (1)

## PARTS:

- Crazy Circuits Robotics Board (1)
- Crazy Circuits Potentiometers (3)
- Mini RGB LED Chip (1)
- Maker Tape 1/8th inch (1)

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## Step 1 — Build the Circuit



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

- ⓘ When connecting the potentiometers, do not cross the tape coming from 5V and GND. (This would create a short circuit.)

- ⓘ You can run the GND tape between the LEGO studs (in the gutter) and the 5V tape on top of the LEGO studs so they do not overlap.

## Step 2 — Upload the Code



- Upload the Arduino sketch to the Robotics Board.

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