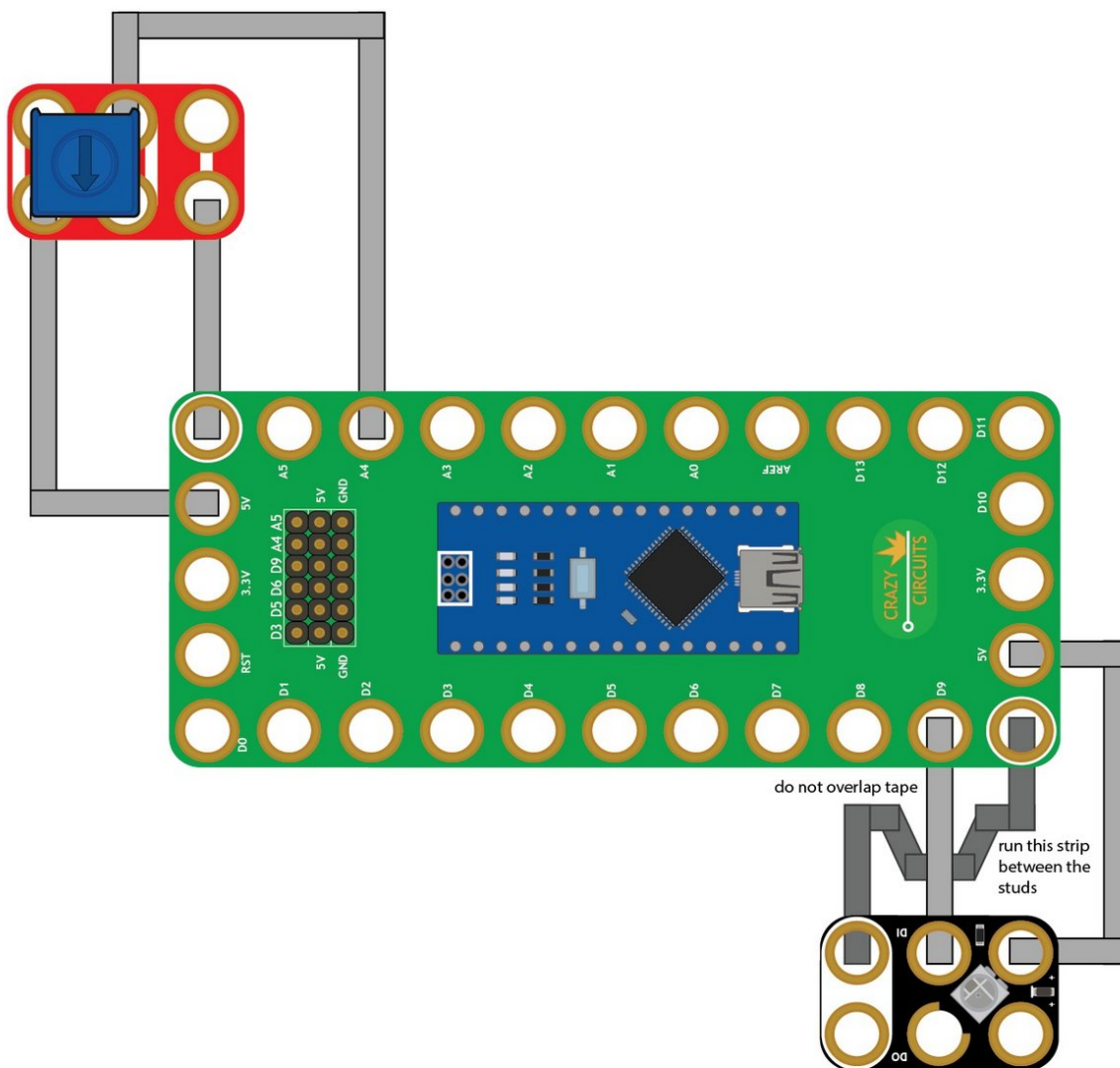




# 17 - Potentiometer with NeoPixel

Use our Programming 101 kit to control a NeoPixel with a potentiometer.

Written By: Pete Prodoehl



# INTRODUCTION

Use our Robotics Board to control a NeoPixel with a potentiometer.



## TOOLS:

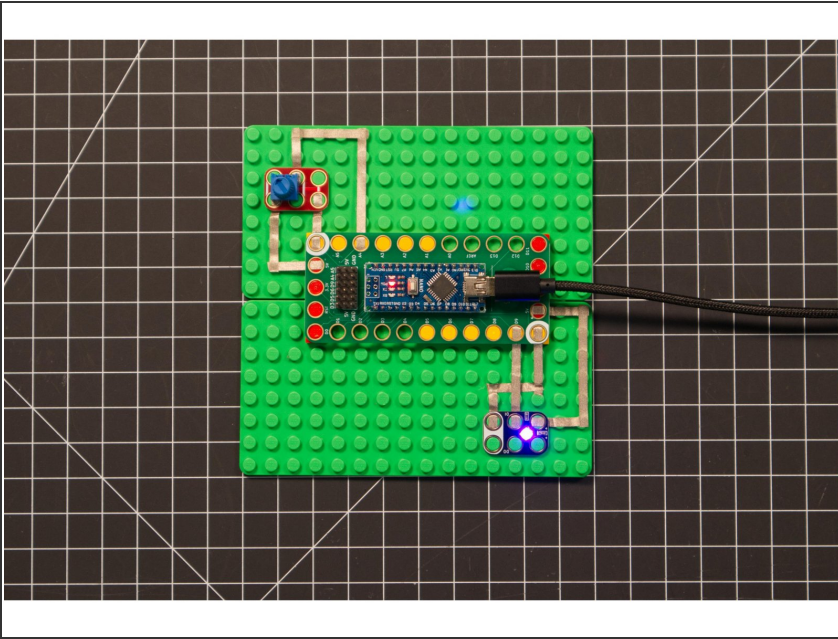
- [Scissors](#) (1)
- [Computer](#) (1)



## PARTS:

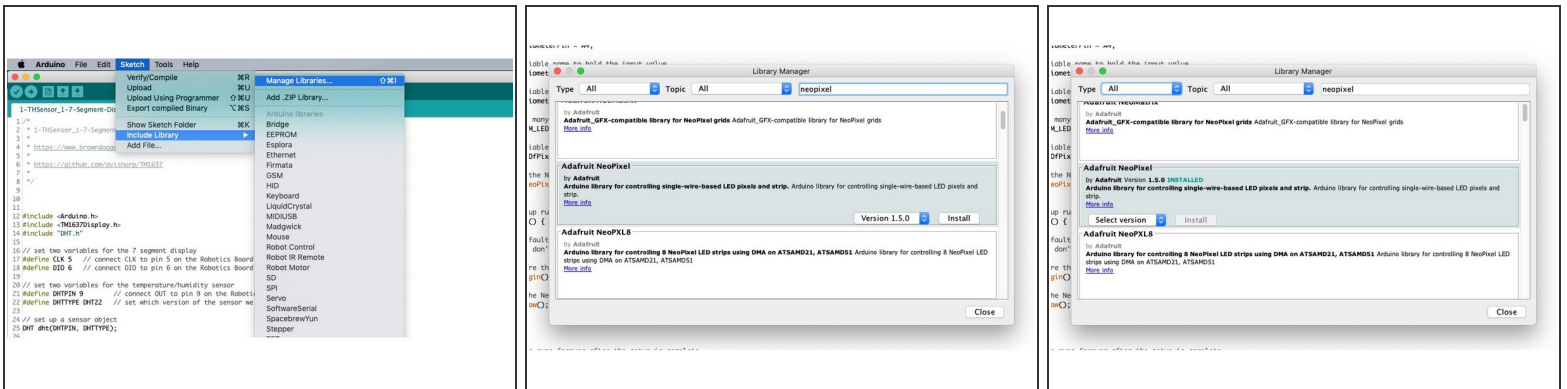
- [Crazy Circuits Robotics Board](#) (1)
- [Crazy Circuits Potentiometer Chip](#) (1)
- [NeoPixel Chip](#) (1)
- [Maker Tape 1/8th inch](#) (1)

## Step 1 — Build the Circuit



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

## Step 2 — Install NeoPixel library



- Install and launch the Arduino software.
- Click on the **Sketch** menu, select **Include Library**, and then **Manage Libraries...**
- On the top right side type **NeoPixel** and it will show the results in the bottom of the window. We want the **Adafruit NeoPixel** library by **Adafruit**. Click the **Install** button.
- The library will be downloaded and **installed**, and then show the word **Installed** along with the version number.
- If you are done installing libraries click the **Close** button in the lower right corner.
- (These instructions can also be found in the PDF file **Installing-NeoPixel-Arduino-Library.pdf**)

## Step 3 — Upload the Code



- Upload the Arduino sketch to the Robotics Board.
- You can find the code here: <https://github.com/BrownDogGadgets/Crazy...>

