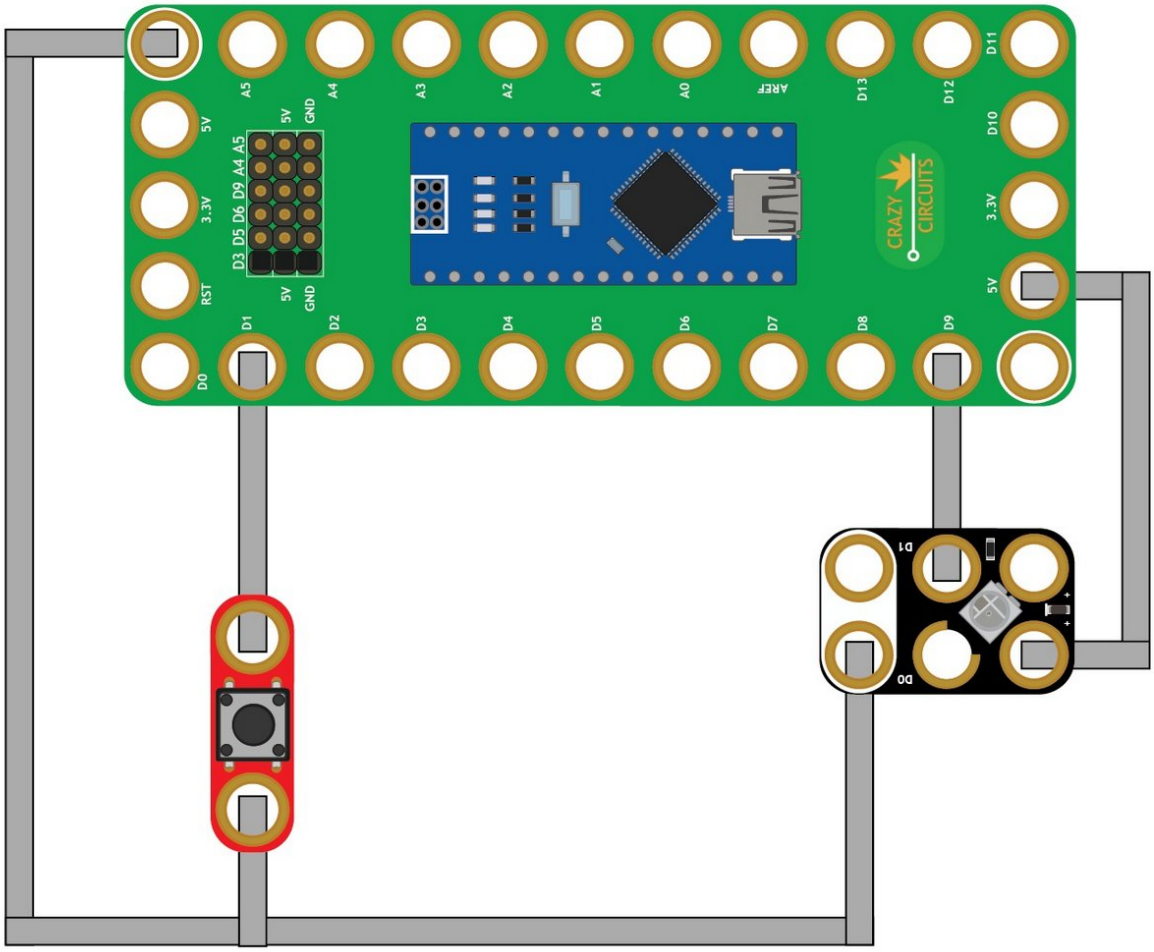
16 - Pushbutton with NeoPixel

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

Written By: Pete Prodoehl



INTRODUCTION

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

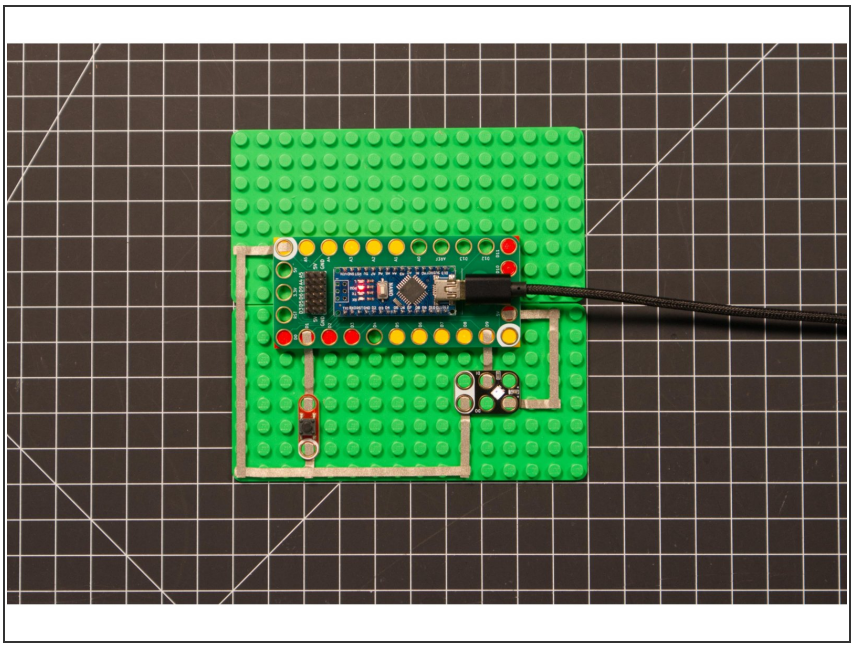
TOOLS:

- Scissors (1)
- Computer (1)

PARTS:

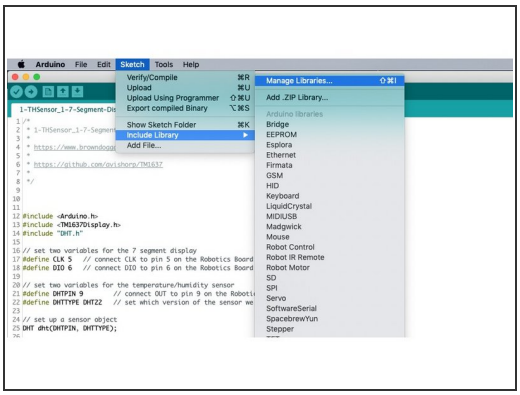
- Crazy Circuits Robotics Board (1)
- Standard Pushbutton Chip (1)
- NeoPixel Chip (1)
- Maker Tape (1)
  1/8" Wide

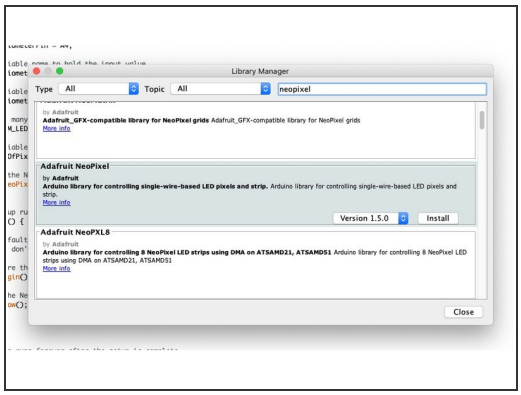
Step 1 — Build the Circuit

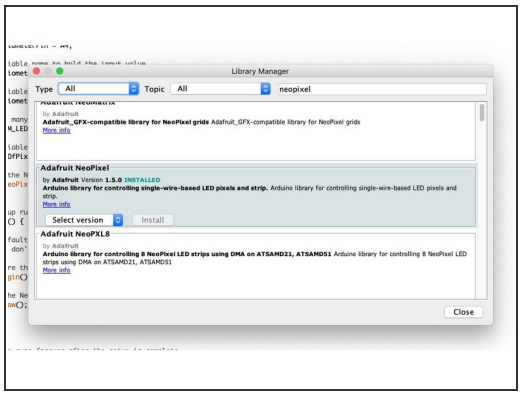


- Build the circuit as shown in the diagram using the components specified.

Step 2 — Install NeoPixel library

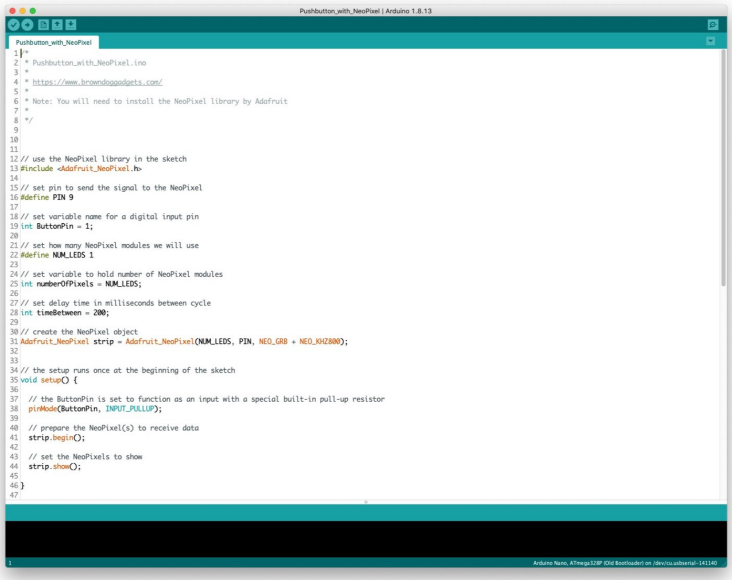






- Install and launch the Arduino software.
- Click on the **Sketch** menu, select **Include Library**, and then **Manage Libraries...**
- On the top right side type **NeoPixel** and it will show the results in the bottom of the window. We want the **Adafruit NeoPixel** library by **Adafruit**. Click 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/Progr...