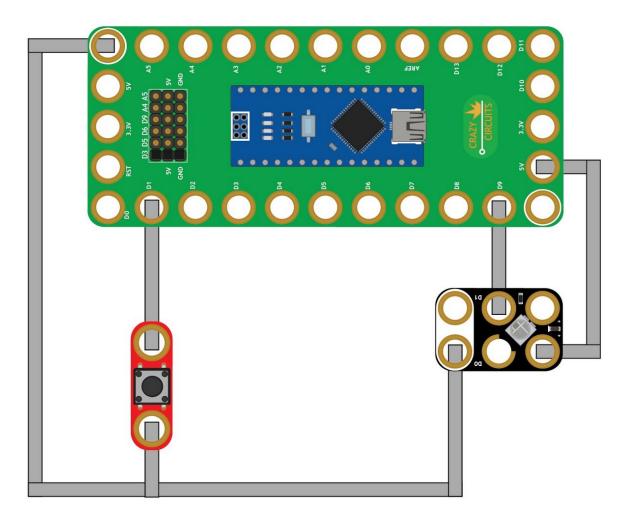


16 - Pushbutton with NeoPixel

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

Written By: Pete Prodoehl

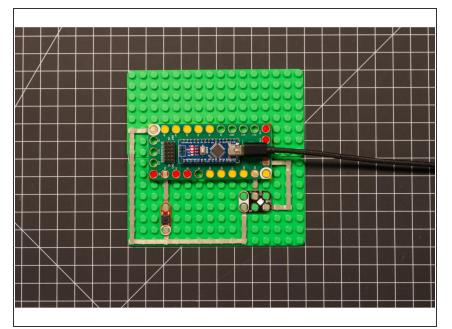


INTRODUCTION

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

TOOLS:	DARTS:
 Scissors (1) 	 Crazy Circuits Robotics Board (1)
 Computer (1) 	 Standard Pushbutton Chip (1) NeoPixel Chip (1)
	 Maker Tape (1) 1/8" Wide

Step 1 — Build the Circuit



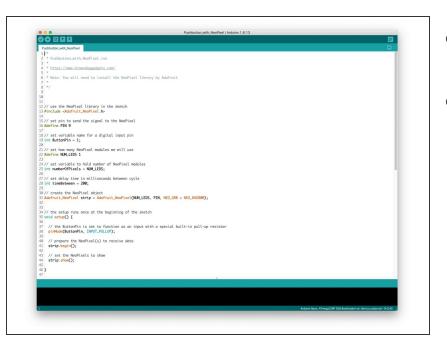
 Build the circuit as shown in the diagram using the components specified.

Step 2 — Install NeoPixel library

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- 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: <u>https://github.com/BrownDogGadgets</u> /Progr...