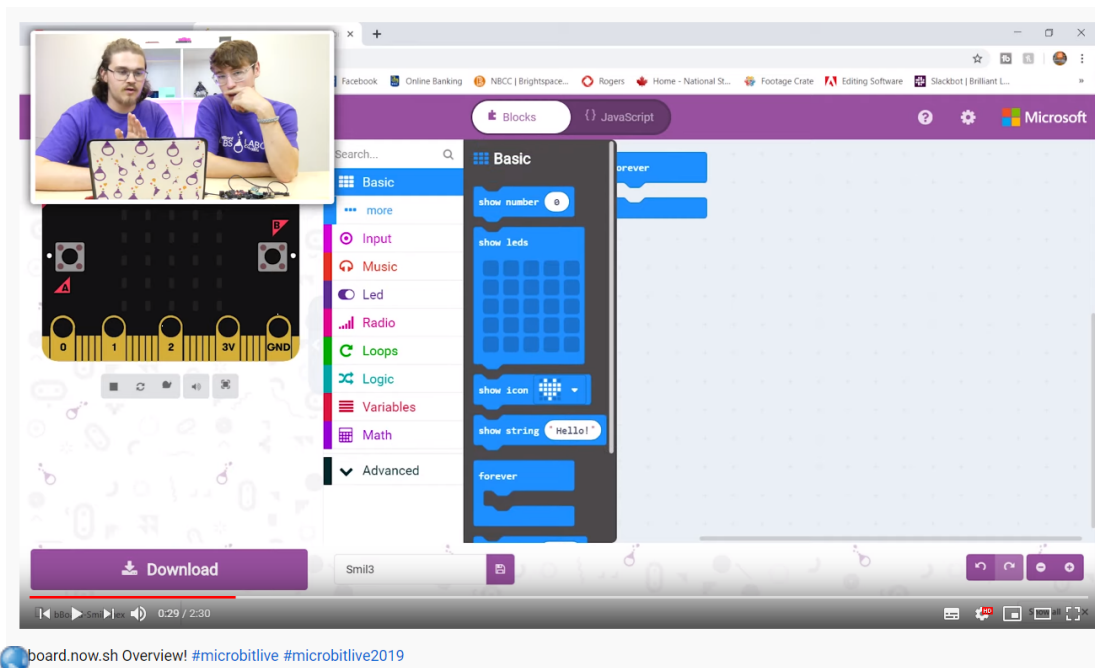


Editor...

bboard.now.sh



## Setting Up The b.Board...



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# Code... Setting up Neopixel Strip

The screenshot shows a digital workspace for programming an Arduino Uno. On the left, a circuit diagram illustrates the hardware setup: an Arduino Uno is connected to a breadboard. A Neopixel strip is placed on the breadboard, with its VCC pin connected to the 5V pin of the Arduino, its GND pin to the GND pin, and its data pin to digital pin P16. The workspace includes a top navigation bar with 'Home', 'Share', 'Blocks', and 'JavaScript' tabs. A central search bar is followed by a category list on the left containing: Basic, Input, Music, Led, Radio, Loops, Logic, Variables, Math, Advanced, Neopixel, WiFi\_BLE, LCD\_Mini, and DC\_Motor3. The main code area contains the following blocks:

```
on start
  set strip to Neopixel at pin P16 with 30 leds as RGB (GRB format)

on button A pressed
  strip show color red
```

At the bottom left, there is a 'Download' button. At the bottom center, the project name 'Neopixel Lights' is displayed. At the bottom right, there are navigation icons for back, forward, and zoom.

# Wiring Setup...

Power

Data (Code)

\*white wire

Ground

