Installation Instructions: Arduino IDE, Adafruit boards, Adafruit libraries

Installing Arduino IDE with Adafruit Boards

Arduino IDE + NeoPixels Library Installation:
https://learn.adafruit.com/adafruit-neopixel-uberguide/arduino-library-installation

Drivers for Gemma for Windows:
https://learn.adafruit.com/adafruit-arduino-ide-setup/windows-setup

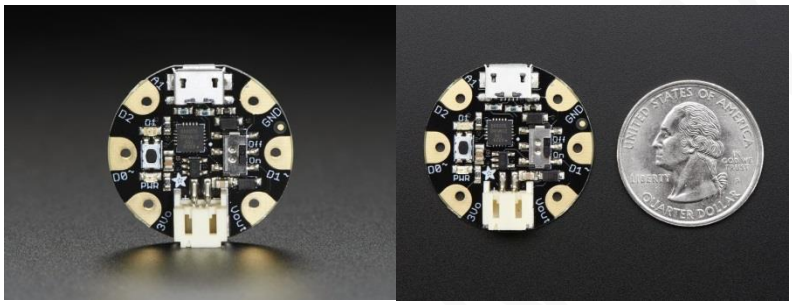
Adding the Gemma board to Arduino IDE:
https://learn.adafruit.com/add-boards-arduino-v164/setup

NeoPixels:

https://learn.adafruit.com/adafruit-neopixel-uberguide/overview

- Not your average LED ☺ Requires programming
- Ready-to-load code available as part of Adafruit NeoPixel library

Getting started with Gemma



https://learn.adafruit.com/introducing-gemma

- Super small, **only 1.1" / 28mm diameter** and 0.28" / 7mm thick.
- Easy-to-sew or solder pads for embedding in your wearable project
- Low cost enough, you can use one for every weekend project
- ATtiny85 on-board, **8K of flash**, 512 byte of SRAM, 512 bytes of EEPROM

Adafruit Color Sensor

https://learn.adafruit.com/adafruit-color-sensors/overview

Bluefruit LE

https://learn.adafruit.com/adafruit-flora-bluefruit-le

- For use with Flora, but not Gemma due to memory constraints
- Adafruit app available for wireless control

Workshop materials created by Natalia Baklitskaya (Natalia.Baklitskaya@gmail.com - ElectroNat Wearables).
Updated workshop materials can be found here: https://github.com/electronat

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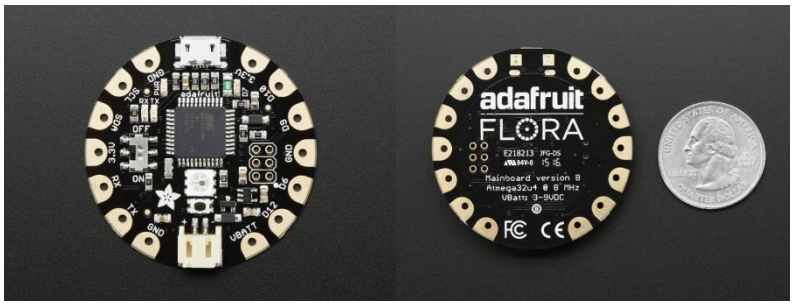
Getting started with Flora



https://learn.adafruit.com/getting-started-with-flora

- 1.8" round x 0.3" thick
- Easy-to-sew or solder pads for embedding in your wearable project
- Based on the ATmega32u4 30K of usable flash memory