

# Arduino for Everyone

Manitou Art Center  
Manitou Springs, Colorado

Welcome to the class!

The only thing you'll need is a laptop. Let us know if that's a problem and we'll work something out.

We'll provide the Arduino and other stuff to get you started.

It would help if you installed the Arduino development environment (IDE) on your computer before you come to class. Follow the instructions below. If you have any trouble, let us know and we'll work it out.

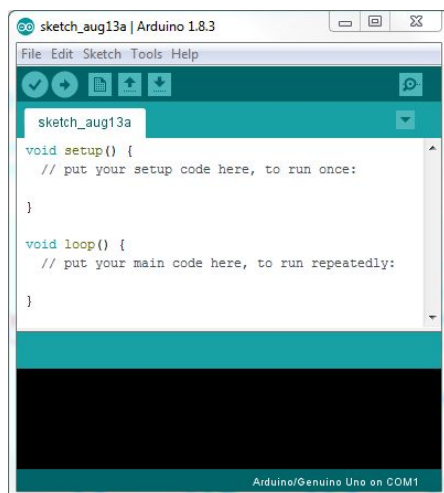
## Installing the Arduino IDE:

### Get the IDE

Download and install the latest version of the Arduino IDE (not the Online IDE) from the [Arduino website](<https://www.arduino.cc/en/Main/Software>).

It will ask about installing device driver software. It makes life easier if you click "Always trust software from ...." while you're doing this.

Once it's installed, open the Arduino program. You should see something like this:



## Windows ONLY!

If you're running windows, you'll need to install some drivers from <https://learn.adafruit.com/introducing-pro-trinket/windows-setup>

## Board setup in the IDE

Since we're using a 5v Pro Trinket from Adafruit, we'll need to add information about that type of Arduino to the IDE. You can use the instructions at <https://learn.adafruit.com/adafruit-arduino-ide-setup/arduino-1-dot-6-x-ide> or just follow along here.

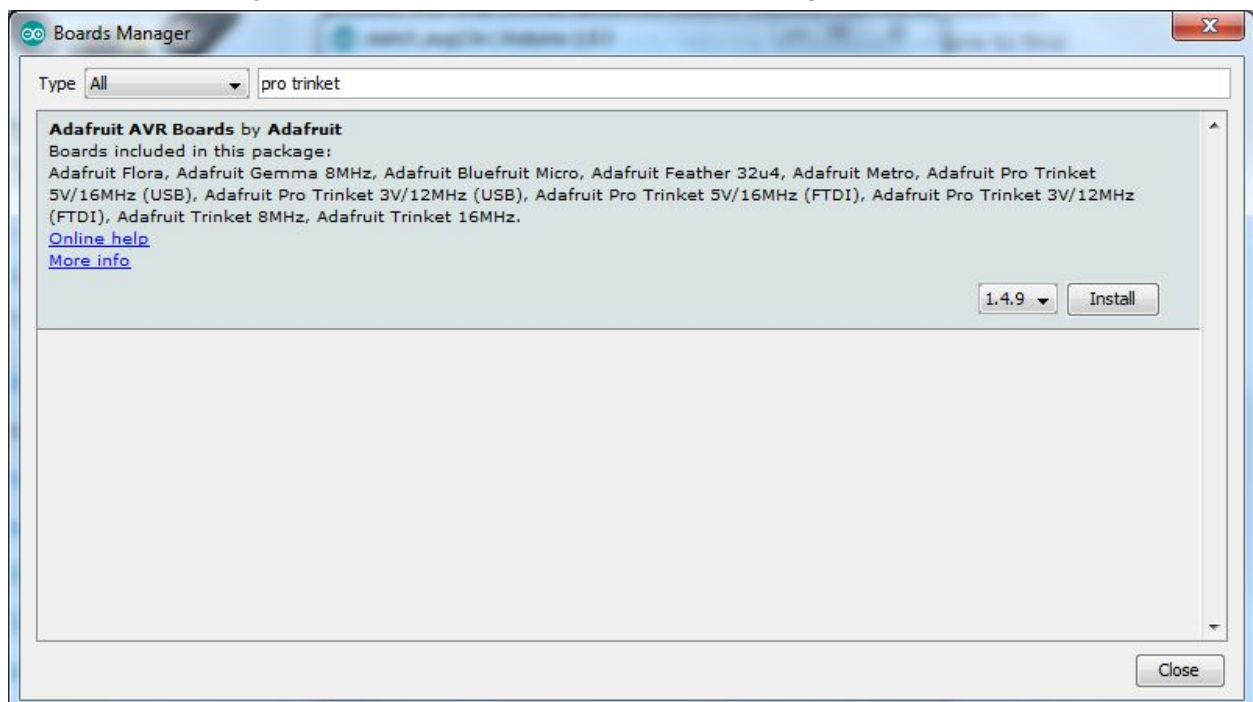
Go to File->Preferences menu. In the Preferences dialog box, find the Additional Boards Manager URL and paste this in:

[https://adafruit.github.io/arduino-board-index/package\\_adafruit\\_index.json](https://adafruit.github.io/arduino-board-index/package_adafruit_index.json)

Then click OK.

Go to Tools->Board->Boards Manager...

In the search box, type "pro trinket". You should see something like this:



Click to install.

## Settings

When we use the Pro Trinket, you'll need to select:

Board: Pro Trinket 5v/16Mhz (USB)

Port: <probably COM1, but can vary>

Programmer: USBtinyISP

You should be ready to go!