

Installing the Arduino Software

If you are using your own computer for this activity, you must download the correct software before we can start programming

First, at:

<https://www.arduino.cc/en/main/software>

- 1) Download the correct version of the Arduino Software (a.k.a. Arduino IDE) for your computer

Installing Adafruit Packages

We must download the correct software before we can start programming

Installation instructions at:

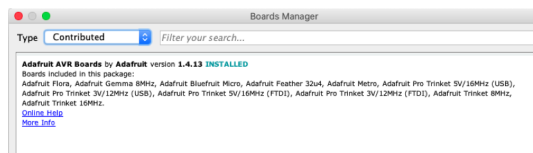
<https://learn.adafruit.com/adafruit-arduino-ide-setup/arduino-1-dot-6-x-ide>

- 1) Open the Arduino application and either 'File' or 'Arduino' in the top left corner, then click 'Preferences'
- 2) Type 'https://www.adafruit.com/package_adafruit_index.json' into the 'Additional Board Manager' slot

Additional Boards Manager URLs:

Installing Adafruit Packages Part 2

- 1) Navigate back to the main page of the ArduinoIDE
- 2) Select 'Tools', then hover over 'Board: ', then click 'Boards Manager'
- 3) Select 'Contributed' in the top left drop down menu
- 4) Click 'Adafruit AVR Boards by Adafruit' and select 'Install'
- 5) Close and reopen ArduinoIDE to see the new installed packages



Setting up ArduinoIDE

Before we start programming our Arduino Trinket we must first set the ArduinoIDE to match which microcontroller (tiny computer!) we are using

- 1) Click 'Tools' at the top of the screen
- 2) Hover over 'Board: ' and click on 'Adafruit Trinket (ATtiny85 @ 8 MHz)' near the bottom of the list
- 3) Click 'Tools' at the top of the screen again
- 1) Hover over 'Programmer' and click on 'USBtinyISP'

