

## Installing Arduino IDE for Software Training

### OS X

1. Download the IDE
  - a. Got to [www.arduino.cc/en/Main/Software](http://www.arduino.cc/en/Main/Software)
  - b. Download Mac OS X zip folder
  - c. Extract Arduino app to home folder
2. Enable C++11
  - a. Right click the Arduino app in Finder, and select "Show package contents"
  - b. Open `java/hardware/arduino/avr/platform.txt`
  - c. Find line starting with `compiler.cpp.flags=`
  - d. Add `-std=C++11` right after `compiler.cpp.flags=`
  - e. Save & Close
3. Install Dependency Libraries
  - a. Launch Arduino IDE
  - b. Sketch → Include Library → Manage Libraries...
  - c. Search for and install Encoder
  - d. Search for and install PID
4. Install Bricktronics Libraries
  - a. Download Bricktronics zip from <https://app.box.com/s/2nkjzfv2hxqzwur2p890s3ejoscmbsq>
  - b. Extract into `java/libraries`
    - i. (inside of the app package)