

## Set Up Your Computer and First Program – Arduino Style Hello World

1. Install necessary software on your computer for the Arduino IDE
  - a. Follow Mac, PC, Linux instructions from Arduino.cc web
  - b. Problems, Aha Moments, Insights? = Post to Forum Discussion; share with class
2. Set up Electronic Brick kit with one LED on a digital I/O port
  - a. Remember EDS concerns. Sit, don't move.
  - b. Take care with connectors, especially when removing them.
  - c. Connect to your computer and get access to the board. See Arduino instructions for problems.
  - d. Run the blink example from the IDE, but change to your digital I/O number
3. Do *something* beyond blink. Modify it to be a bit more interesting. It's up to you. Ideas will be given in class or use the Forum Discussion. (Ideas = add more components, try analog, change timing...)
  - a. Test your program; be sure it works *and* you understand what it is doing and why
  - b. Add comments to your code to explain your additions / learnings.
  - c. Turn in your Arduino project in Sakai assignment.
4. Disassemble and return your Electronic Brick parts, cable, etc. to storage. Note any hardware problems, missing parts, damage on the course log form.

Version 1.0 (original)

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17 Jan 2015