

# Arduino Workshop Resources

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All workshop materials, including presentation slides, sketches, parts kit listing, Fritzing and schematic diagrams, can be found at my public GitHub repository: <https://github.com/markvolstad> . To download the entire repository, click the “Clone or download” button, then select “Download ZIP”. To download an individual file, click the filename to view it, then click the “Raw” button.

If you encounter any difficulties with your new Arduino UNO, feel free to reach out to me for assistance at [mvolstad@twc.com](mailto:mvolstad@twc.com) .

## Installing the IDE

The first thing you will want to do is install the Arduino IDE (Integrated Development Environment) on the computer where you will be creating your programs (“sketches”). You can download the IDE from <https://www.arduino.cc/> . If you are running Windows, choose the “Windows Installer” option. This will automatically install the USB drivers you will need to communicate with your Arduino UNO. Once the IDE is installed don’t forget to choose your board type and USB port from the Tools menu! (You may not be able to choose a port until you connect your UNO to the computer.)

## Online Resources

<https://www.arduino.cc/> I can’t overstate how useful this, the official Arduino site is! Check out the Learning section and the Forums.

<https://learn.adafruit.com/category/learn-arduino> Adafruit offers useful lessons and interesting projects!

<http://www.instructables.com/howto/arduino/> Many interesting Arduino projects.

Jeremy Blum has an excellent series of Arduino tutorials on [YouTube](#).

## Recommended Books

Programming Arduino: Getting Started With Sketches, by Simon Monk. Excellent for beginners.

Exploring Arduino: Tools and Techniques for Engineering Wizardry, by Jeremy Blum. Covers basics but also delves into more advanced topics.

## Where to Buy Arduinos and Accessories

If you don’t mind waiting 3-4 weeks for delivery, you will find that the Asian suppliers on eBay have the lowest prices. Quality is fine and I have never had any problems with them. If you can’t wait so long, choose “US Only” in the search options. Other good sources for parts are [Amazon](#), [Adafruit](#), and [SparkFun](#) .