How to create a library for Arduino IDE.

1. General Tutorial on creating a library
   1. <https://playground.arduino.cc/Code/Library>
   2. <https://www.arduino.cc/en/Hacking/LibraryTutorial> (The one I use most of the time)
   3. <https://www.teachmemicro.com/create-arduino-library/>
2. The Arduino Library 1.5 specifications
   1. <https://github.com/arduino/arduino/wiki/arduino-ide-1.5:-library-specification>
      1. Doesn’t need to be in directory structure to be 1.5 complaint.
      2. The library.properties appears to be the important change
      3. Version numbering using Semantic Versioning is also very important
         1. <https://semver.org/>
      4. Can submit libraries and have them included with the Library Manager
3. Creating a github Release
   1. <https://help.github.com/articles/creating-releases/>
4. Arduino Style Guide for Writing Libraries
   1. <https://www.arduino.cc/en/Reference/APIStyleGuide>
5. Important notes about KEYWORDS.TXT
   1. <https://spencer.bliven.us/index.php/2012/01/18/arduino-ide-keywords/>
      1. The spaces between your “word” and KEYWORD1 should be a TAB not spaces
      2. In linux most editors remove the TABS and replace with spaces, most of the editors have a way to turn this off and really use TABS.

A library I made for the Little Buddy Talker, and 100+ Word Shield. Starting with 1b, and going to the 1.5 specification, and having it included with the library manager.

<https://github.com/kd8bxp/Word100>

## Update: Nov 28, 2018

Another Tutorial, with a slightly different way to make a library.

<https://www.teachmemicro.com/create-arduino-library/>