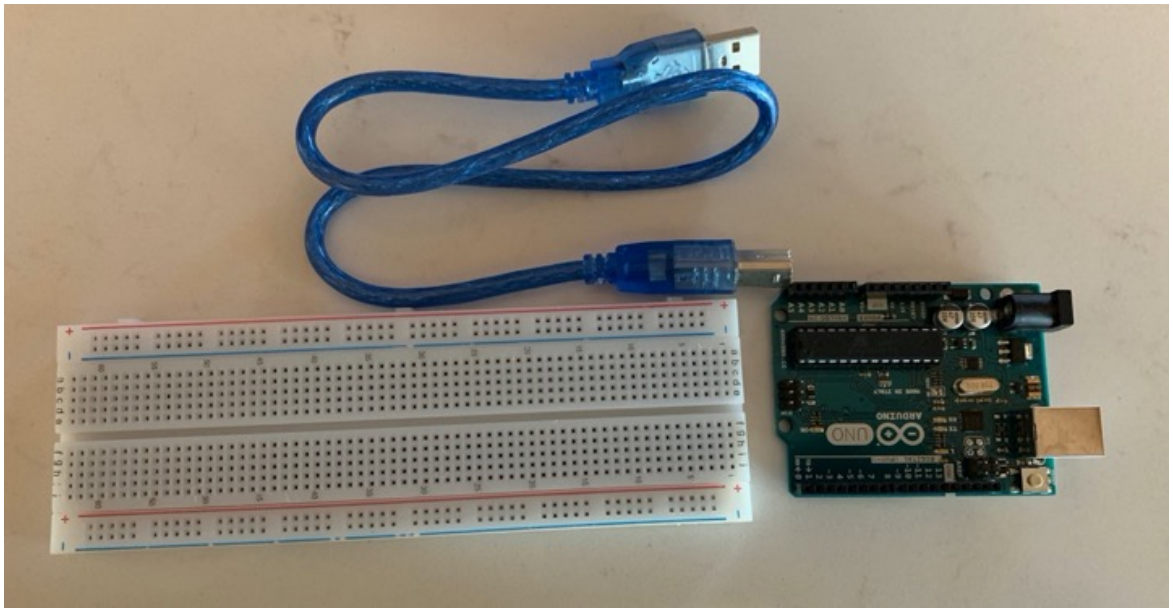
Appendix

What is needed for the Class

- Laptop computer with Arduino development environment installed
- Parts kit with arduino
  - see next 3 slides for contents

Parts kit supplied with class - 1

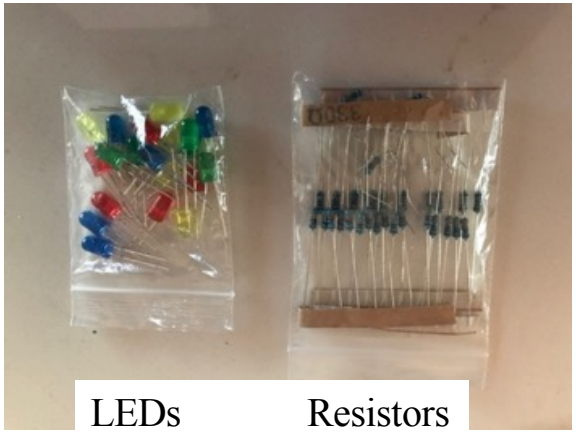
Cable to laptop



Prototype board

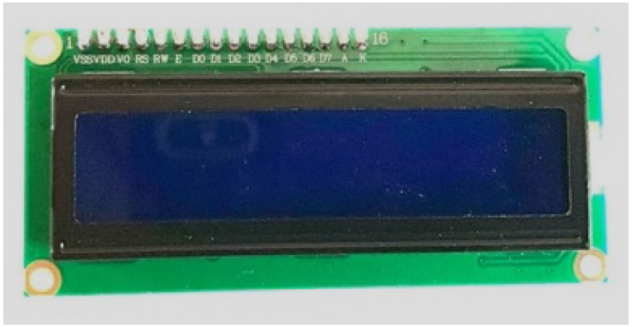
Arduino

Parts kit supplied with class - 2



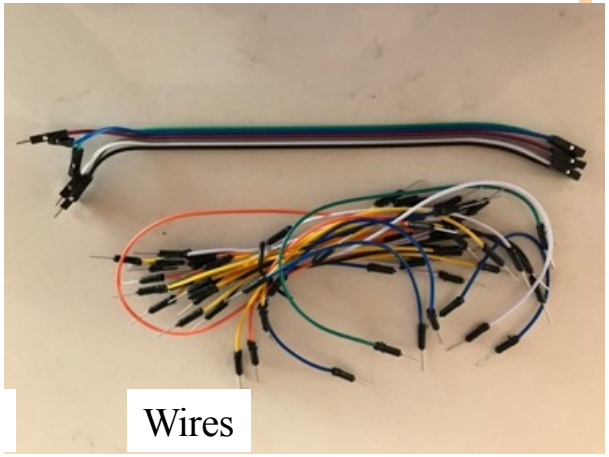
LEDs Resistors

CD: data sheets, examples, C code

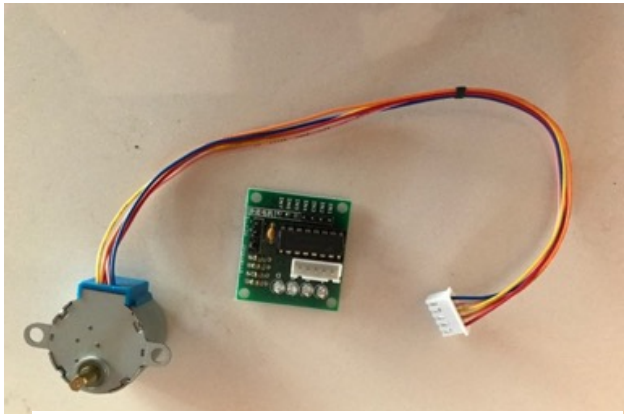


LCD

Bag of parts: see next slide for contents

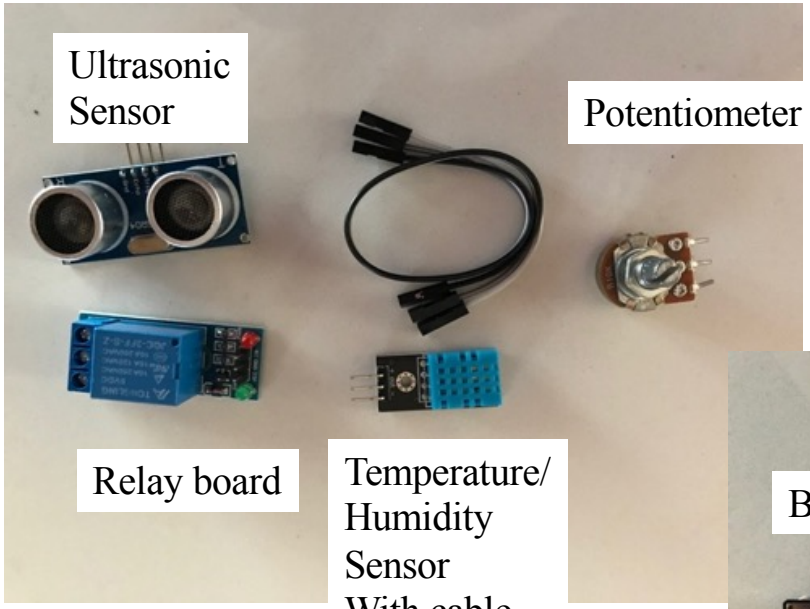


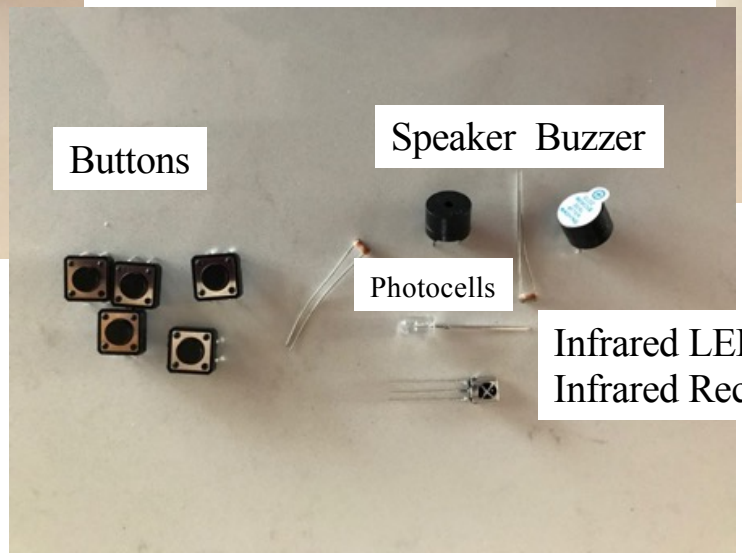
Wires



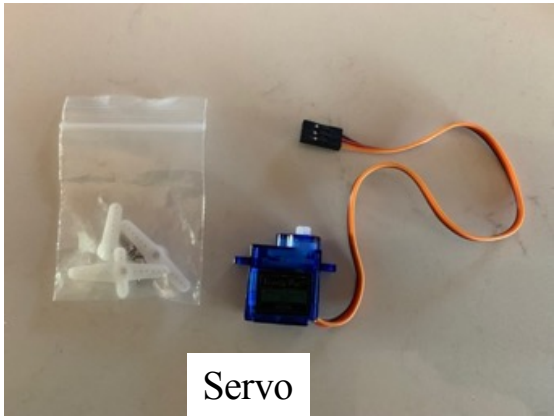
Stepper Motor and motor controller

Parts kit supplied with class - 3

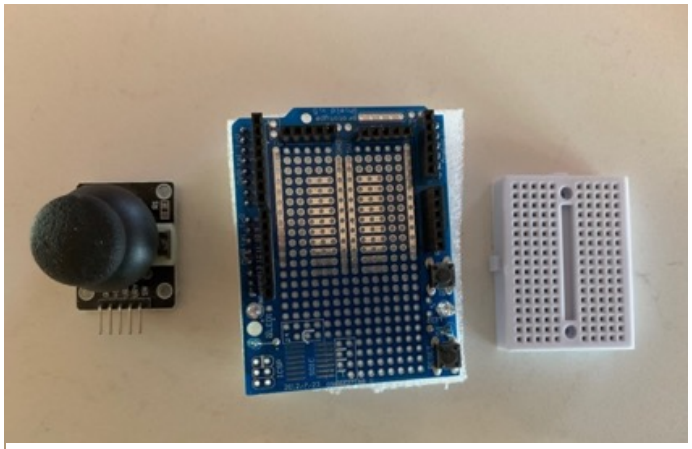




Parts kit supplied with class - 4

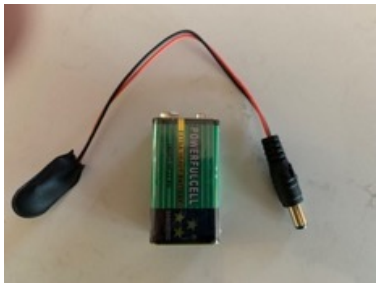


Servo



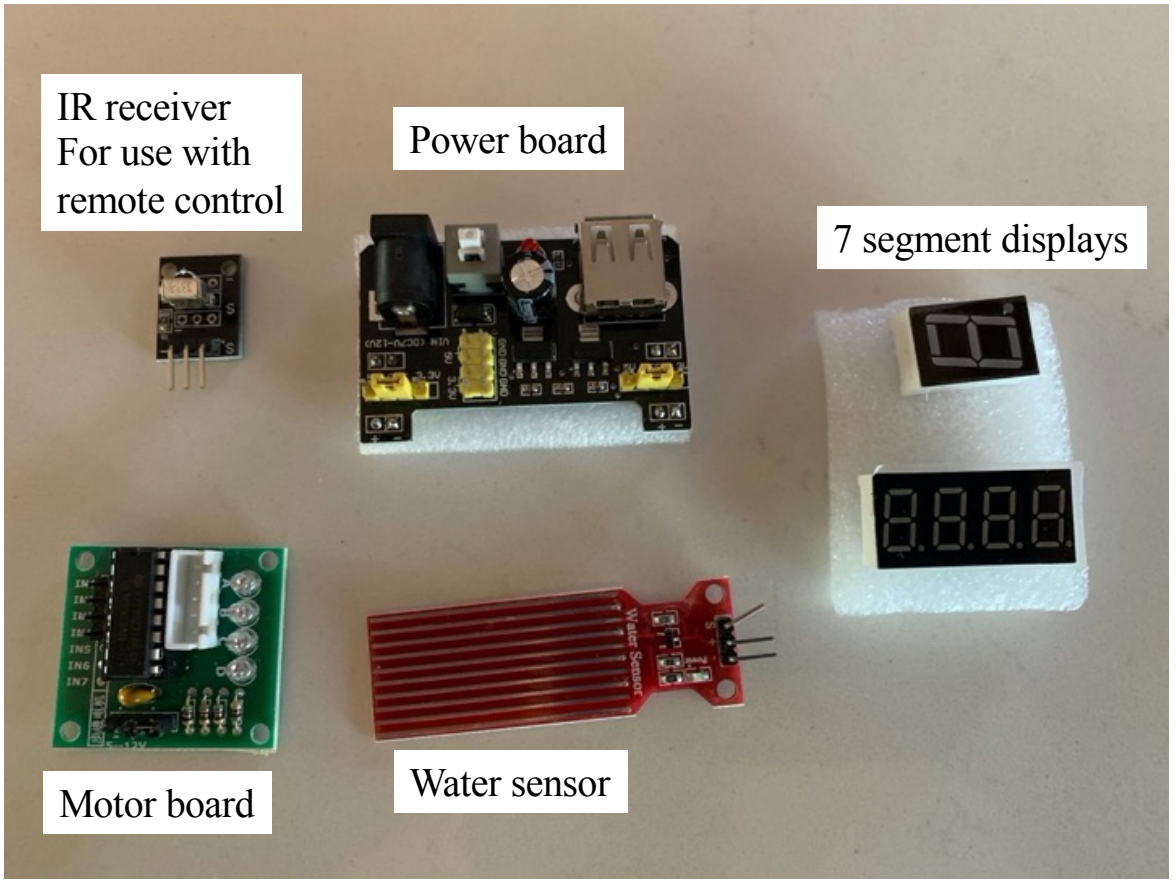
Joy stick blank shield mini proto board

Cable from Arduino to laptop



9 volt battery;
Power cord;
Don't use;
Battery dies quickly

Parts kit supplied with class - 5



Places to look for project ideas

- Adafruit learning web site:
  - https://learn.adafruit.com/category/arduino
- Instructables: https://www.instructables.com/search/?q=arduino&projects=all

References

- https://www.arduino.cc/
- https://www.arduino.cc/en/Tutorial/HomePage
- https://www.arduino.cc/reference/en/
- https://www.arduino.cc/en/Main/Software
- https://www.instructables.com/search/?q=arduino&projects=all
- https://learn.adafruit.com/category/learn-arduino
- https://learn.adafruit.com/category/arduino
- https://www.ossblog.org/learn-c-programming-with-9-excellent-open-source-books/
- https://docs.microsoft.com/en-us/dotnet/standard/design-guidelines/general-naming-conventions