Workshop III Agenda

Meeting Time: 6:30 pm, October 8th, 2020

Supplies Needed:

- 5x Arduino Megas
- 5x USB cables for Arduinos
- Male to male jumper wires

Recommended Supplies For Online Members:

- If they have an Arduino Mega, getting a second one is optional but not necessary as they can connect the Mega to itself. If they have an Arduino Uno, it is recommended that they get a second Arduino due to an issue the software serial library has with the Arduino (It uses PWM to emulate serial connections, which apparently causes issues when trying to connect the software serials)
- Have access to computer with Arduino IDE
- PuTTY terminal installed

Software Needed:

- Arduino IDE

Helpers Needed:

- One or two helpers needed about an hour ahead of workshop to gather the supplies and setup.
- Helpers during the workshop
- Kenneth will be assisting Jessie in this workshop.

Provided Files:

- Chat_Program.ino

Lesson Plan:

- Jessie will demonstrate the powerpoint giving a basic rundown of UART (serial connection & the pins on the Uno & Mega, packet structure, etc.)
- Kenneth will go over his code for the chat program and use a logic analyzer to look at the square waves of serial packets.