This week I've been working with Taylor on the voltage regulator circuit. He already built the prototype and tested it and it worked however it was not to the exact voltage that we needed to create a pcb circuit for purchase. So we pulled out the circuit and began to tweak it however this time it was not working at all. After rebuilding it for hours we decided to call it quits. The next day I decided to try at it again and this time I got it working. I then tweaked the resistors to the right values to get the 13.45 V we needed it to be. I also constructed the LDO regulator and got it at 9.1 V to supply to the arduino.