Final Write Up

Emma W. and Dominick R.

Dominick and Emma worked on learning to solder and completed a circuit board that alternated lighting up LEDs and making a noise on a speaker. They learned how to solder components, as well as desolder various mistakes or unnecessary portions. Some of the problems that they have encountered included soldering the legs of a component together. This was because halfway through soldering on all of the components, Emma and Dom soldered two legs of the transistors together, so they had to fix it. Using a small pick tool and a desoldering pump they were able to get all of the extra solder off, separating the two components. Another problem that Dom and Emma encountered was their circuit board was not working correctly once they finished soldering on all of the components. Only one LED lit up but the other one didn't and the speaker didn't even turn on. This was because they had forgotten to solder the jumper wires onto the circuit board. Once they did that, they had the project working immediately. For others who decide to learn how to solder, Emma and Dominick advise that you pay close attention to the safety instructions. Make sure to remember to wear goggles and/or glasses, and avoid touching anything that has been close to the soldering iron for a few seconds, as it will remain hot. This includes holding the soldering wire at least three inches away from the end because otherwise the heat might reach your hands. Overall, Emma and Dominick had an eventful learning experience and were able to successfully complete their soldering project by the end of the learning module.