



Osprey Design Experience Weekly Memo

TEAM NAME: Green Ellipsis

DATE: 3/8/2024

ATTACHMENTS: N/A

WORK COMPLETED:

- Functionality test started, chose to work on nichrome wire optimization after professor recommendation. This will be revisited after spring break
- Continued upgrading printer to be able to print PET filament
- Designed, printed, and tested version two of the filament and bend testers
- Prototype desktop bottle cutter version one designed and tested
- First ribbon method, ultrasonic, was able to be extruded into filament
- Bend and tension tests completed for Nichrome wire, silicone soldering, and simple soldering methods

WORK TO BE COMPLETED NEXT WEEK:

- Begin optimization of nichrome wire method
- Explore successful ribbon method further for another option to splice

TEAM HOURS:

Name	Hours
Ryan Hunter	22 hours
Christopher Zervos	6 hours
Jacob Davis	10 hours
Allison Wolfson	10 hours
Total	48 hours

Author: Jacob Davis