

Team Meeting #9 Agenda, 10-20

- Compile ordered parts, and verify that we have what we need for prototype #1
 - Measure all parts so that they may be considered for handle incorporation in SolidWorks
 - Delegate prototyping responsibilities
 - Decide what we want to accomplish in prototyping and a timeline for completion
- Discuss logistics of OR visit on 10/22/20
 - Be there between 3:00 and 3:15p
 - Be prepared to ask questions, take pictures, and take notes
- Decide when to check in on prototyping progress

Team Meeting #9 Minutes

Ryan and Lucas were feeling sick, Jett and Maclean met in person to discuss prototyping details while Ryan attended via Zoom

- The prototype should be completed by November 7th
 - Coding and controller should be ready by the end of next week (October 31st)
 - CAD handle should be roughly completed by then as well
 - Machining and linkage assembly should be ready by then as well
 - We will assemble the prototype the following week
- Jett and Maclean will work out the linkage inside of the device to induce a random orbital sanding motion with a servo and R/C motor
- Ryan will start putting together a handle design in SolidWorks
- Lucas will start coding the microcontroller to run a servo forward and backward quickly, as well as control a motor with a potentiometer
- We will meet as a team in person in the GJ design suite during our Tuesday meetings from now on
 - Same times, but we will be working to complete the prototype within by November 7th
- We will work through the design validation assignment individually, and have it ready to submit by Thursday
 - Everyone will add 4 things to the Excel file, which is posted in the share drive

Action Items:

- **Jett** will measure all individual components and send their dimensions to Ryan for CAD
- **Maclean** will attend shop orientation, and start compiling parts to build the orbital shaving mechanism
- **Lucas** will work with Ryan to code the Adafruit Trinket
- **Ryan** will work on designing a new handle in SolidWorks for 3D printing, and assist Lucas in programming the Trinket
- **Everyone** will add 4 items to the design validation plan before Thursday at 7p so that Jett can submit it to Dr. Perry
- Anyone who wants to Carpool to Colfax on Thursday will have to work it out with other group members.