

Week 1:

- Total Time: 1 Hour
 - Introductions and General Lab Stuff: 5 minute
 - Explain Wiki and Setup Team Page: 20 minutes
 - Google Drive (GANTT) and Team Name: 15 minutes
 - Go over what is in the GANTT chart and show what they will be doing with examples from last semester
 - Start Arduino Stuff Maybe?

Week 2:

- Total Time: 3 Hours
 - Arduino tutorials: 2 hours
 - Go over 296 boxes and where to put them
 - Tell them what the arduino is and what they are actually doing in a broad sense. Ex: Arduino gets the code from the computer and has some outputs to the parts on the breadboard to have the desired function.
 - Presentation: 1 hour
 - Explain presentation setup and procedure of how the presentations go

- 4 minute presentation time goal and tell them what should be on their slides

Week 3 + 4:

- Total Time: 3 Hours
 - KiCad Tutorials: 3 hours
 - Show them the tutorials from the important links document and have them follow the youtube videos
 - Help when needed
- Week 4:
 - Still KiCad but setup the boxes for the Bare bones arduino for week 5
 - Get all of the parts together in a bag in each of the boxes, takes about 30 minutes if the parts are randomly in the box

Week 5:

- Total Time: 1 Hour
 - Holiday on the main day the 296 meet
 - Presentation Prep: 1 Hour
 - Re-explain quickly what should be on the presentation and make sure the presentations look fine

Week 6:

- Total Time: 3 Hours
 - Bare Arduino: 3 hours
 - Show them the tutorial and have them follow it
 - Explain the 9v converter is not necessary because we are using the usb power instead
 - Common issues
 - Not uploading
 - Something wrong with wiring or circuit component orientation, refer to the schematic
 - Uploaded but did not work
 - Not sure yet, still working on that
 - Refer to the week 6 minutes from the 296 groups

Week 7:

- Total Time: 3 Hours
 - Bare Arduino Schematic: 3 Hours

Week 8:

- Total Time: 3 Hours
 - Bare Arduino PCB: 2 Hours
 - Import some footprints from the important links documents
 - Mid-Semester Report: 1 Hour
 - Do it, look at older 296 teams reports for examples

Week 9:

- Spring Break

Week 10 + 11:

- Total Time: 3 Hours
 - Shadowing: 3 Hours
 - Let them shadow whatever teams they have interest in
 - Make sure they shadow for about 3 hours if possible and take pictures with the 396/496 teams they shadow

Week 12 + 13:

- Total Time 3 Hours:

- Housing: 2 Hours
 - Only doing housing because the lab is full during the main lab hours when all the 296 teams are there
 - Do a basic overview of Onshape and get their accounts setup
- Soldering: 1 Hour
 - Teach them how the stations are setup and how to safely solder
 - Number 1 rule: always assume the soldering iron is always hot

Week 14:

- Total Time: 3 Hours
 - Final Reports: 1.5 Hours
 - Introduce the final reports and show them where to find the old examples
 - Presentation: 1.5 Hours
 - Do the presentations, look at older examples

Week 15:

- Total Time: 3 Hours
 - Final Reports: 2 Hours
 - Keep doing the final reports from last time
 - Soldering: 1 Hour
 - Solder one last time to get more practice in