\*Needs to be tested at the ZIMT building.

1. ~~Define block:~~
   1. ~~Size~~
   2. ~~Offset~~
   3. ~~Generate corresponding Gcode.~~
2. ~~Define wing:~~
   1. ~~Chord~~
   2. ~~Span~~
   3. ~~Define these~~ **~~within~~** ~~the block.~~
   4. ~~Make separate checking function to check the dimensions and that they fit inside the block correctly.~~
   5. ~~Display dimensions in label.~~
   6. ~~Generate corresponding Gcode.~~
3. ~~Top view~~
4. ~~Gcode for cutting the foam to size.~~
   1. Make it optional, using the “margin” box.
5. ~~Adjust the speed of the portals.~~
6. ~~Change the hotwire to be controlled by the Arduino.~~
   1. ~~Save profiles of speed + material amperage.~~
7. Make README.md for the firmware.
8. Uninstall + reinstall Ubuntu and make an install\_requirements.txt file by making a list of necessary packages
9. Mark physical axes with **blue** and **red**.
10. ~~Make a “set zero” button.~~
11. Copy notebook into pdf on Dropbox and GitHub.
12. Make an import button.
13. ~~Make separate GitHub for foam machine.~~
    1. ~~Update this GitHub repository with the latest information.~~

* This week:
  + ~~Finish GUI code for Speed + Amperes profiles~~
    - ~~Take screenshots to explain it.~~
  + ~~Make progress on LabView and the six-component balance.~~
* Next week:
  + ~~Finish code for Speed + Ampere profile.~~
  + ~~Hardware setup for hotwire, test hotwire being controlled by gcode.~~
  + ~~Make separate, public, GitHub.~~
  + In person:
    - ~~Test speed + amperes profile gcode control, measure with Ammeter.~~
    - Cut holes into box, mount everything inside including plugs for hotwire.
  + Fix the problems with the wingspan calculation algorithm. Maybe, simplify it?