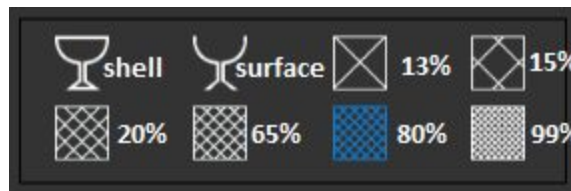# DragonHacks 2017 - 3D Printing Instructions

Placing orders, Pick Up, and Checking Status

All parts printed will be in ABS. Keep files limited to the constraints (length by width by height), 8 in. x 6 in. x 8 in.

1. Save all parts to be printed as .stl files.
   a. Send all .stl files in a compressed .zip folder to
      3d.print.dragonhacks.2017@gmail.com
   b. Please also include your name and group/project name, so we know who is coming to pick up the parts.
2. In the email, indicate your choices for the following parameters (or indicate "Default" in the email, if no preference):
   a. Layer Thickness (Z-resolution)
      i. 0.10 mm
      ii. 0.15 mm
      iii. 0.20 mm (default)
      iv. 0.25 mm
      v. 0.30 mm
      vi. 0.35 mm
      vii. 0.40 mm
   b. Infill
      i. Shell
      ii. Surface
      iii. 13%
      iv. 15%
      v. 20%
      vi. 65%
      vii. 80% (default, strong enough for most applications)
      viii. 99%

      shell   surface   13%   15%
      20%   65%   80%   99%

   c. Print Quality
      i. Normal (default, minimal distortion, while still fast enough printing)
      ii. Fine
      iii. Fast
      iv. Turbo
   d. Supports
      i. Yes (default)

ii.   No
              e. Rafts
                    i.   Yes (default)
                    ii.   No
3. Refer to the Google Sheet DragonHacks 2017 - 3D Printing Queue to look up your print status and job duration.
4. Pick up the finished parts at the Hardware Lab, in the first floor of the Main Building.

http://funnyand.com/wp-content/uploads/2014/07/3D-Printers.jpg