

3D Printing Procedures

DESIGN CREATION

Any 3D drafting software may be used to create a design as long as the file can be saved in .stl, format.

Please do NOT use programs that have to be downloaded to your computer.

Technology will not allow you to download unapproved programs to your laptop.

We recommend Tinkercad for beginning designers.

<https://www.tinkercad.com/>

Sketchup is already on every student's laptop.

Autocad is used in the engineering class and can be accessed on the computers in that classroom.

PRINTING CRITERIA

Prints must meet all of the following criteria:

- Under 4 hours to print
- Fit within the dimensions of 255 mm x 155 mm x 170 mm
- 20% infill
- One color design.

TO SUBMIT A DESIGN

- Go to Park Hill South Portal. Click on about our school, scroll down and click on Library Media Center. Once there scroll down and open 3D policy, procedure, and printing request. Complete the 3D printing request form and submit to your Library staff, along with a copy of your .stl design file that you want printed.
- Your design will be printed in the order in which it was received. Priority will be given to class assignments.
- Files will be edited as needed to ensure a successful print.
- The 3D printer is only in use during library hours.

Please note that 3D printing procedures are subject to change.