

3D PRINTING

➤ FILE PREPARATION ⇐

- Files must be in .STL or .OBJ format
- Check for inverted triangles, floating triangles, holes, and intended units of measurement
- Better results are achieved from objects with flat bottoms (specifically, MakerBot)
- MakerBot support must be removed manually
- Dimension support is soluable
- Minimum wall thickness is .4" (1mm)

➤ MAKERBOT ⇐

- Cost: \$0.20/gram
- Max dimensions: 11.8"x12"x18"
- Prints PLA plastic with a variety of colors to choose from
- Support material must be removed manually
- Best results are achieved from objects with flat bottoms

➤ DIMENSION ⇐

- Cost: \$9.00/cubic in
- Max dimensions: 8"x8"x12"
- Prints ABS plastic
- Support is soluable
- Will burn out for casting useage
- Highest resolution for FDM printing

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➤ FORM 2 ⇐

- Cost: Standard Grey - \$.50/ml, Castable - \$.90/ml
- Max dimensions: 5.7"x 5.7"x 6.9"
- Prints in standard or castable resin
- High resolution, great for detail
- **Only operates Tuesdays and Thursdays**
- We will cure parts after printing. Requires several hours for curing time. It can be cured under UV light or sunlight.

➤ FREE MODELING PROGRAMS ⇐

- 123D Design
- Mesh Mixer
- Tinker CAD
- Sculpttris

➤ FREE FILE CHECK PROGRAMS ⇐

- Netfabb
- Meshlab

➤ DO NOT WAIT TILL THE LAST MINUTE! ⇐

3D printing is a time consuming process.