

TOOLS FOR DESIGN

| <i>Product</i> | <i>Website</i> | <i>Skill Level</i> | <i>Notes</i> |
|------------------|-----------------|--------------------|---|
| <i>3D Slash</i> | 3dslash.net | Beginner | 3D modeling app for non-designers. User-friendly with a Minecraft look & feel. |
| <i>TinkerCAD</i> | tinkercad.com | Beginner | Browser based 3D modeling program ideal for beginners. You can save designs online or share them with others. |
| <i>SketchUp</i> | sketchup.com | Beg-Int | Modeling program for applications such as architectural, interior design, civil and mechanical engineering. It is an easy to use interface making it useful for beginners in 3D modeling. You'll need to install a plug-in to create *.stl files. |
| <i>FreeCAD</i> | freecadweb.org | Int-Adv | Parametric 3D modeler built for product design and engineering. Feature rich and with a high learning curve. |
| <i>Blender</i> | www.blender.org | Int-Adv | Open source 3D animation suite. It supports the entirety of the 3D pipeline—modeling, rigging, animation, simulation, rendering, compositing and motion tracking, even video editing and game creation |

OTHER RESOURCES

| <i>Name</i> | <i>Website</i> | <i>Description</i> |
|---------------------------------|--|--|
| The 3D Printing Handbook | Call number 621.988 RED 2017 | Authors Ben Redwood, et al. |
| <i>3D printing</i> | 3dprintingforbeginners.com | Reviews of equipment, how-tos, websites for stl files |
| <i>Shapeways</i> | Shapeways.com | Provider of printer services in a variety of materials and also markets objects for the creator. |
| <i>3DHubs</i> | 3dhubs.com | Provider of 3D printings services locally |
| <i>Thingiverse</i> | thingiverse.com | A multitude of printable *.stl files for free; model repository |
| <i>Simplify3D</i> | https://www.simplify3d.com/support/ | Videos and tutorials |
| <i>Microsoft Community Site</i> | https://channel9.msdn.com/series/3d-printing-essentials/01?ocid=player | 3d Printing videos (also view Mod2-Mod9 videos) |
| <i>Materialise</i> | https://i.materialise.com/en/3d-printing-materials/abs/design-guide | Design specifications |
| <i>My Mini Factory</i> | Myminiactory.com | Model repository |