

Tinkercad Tips

Right Side Menu

- ❖ **Import:** 3D files from other programs and/or places to modify using Tinkercad.
- ❖ **Shape Generators:** Shapes that are created using extra features.
- ❖ **Helpers:** includes a ruler tool to measure parts of your design and the workplane tool to change the surface where objects are initially placed.
- ❖ **Shapes:** Premade shapes by Tinkercad that you use to create objects.
- ❖ **Geometric:** Premade shapes by Tinkercad that you use to create objects.
- ❖ **Holes:** two pre-made holes (a box and a cylinder), although any shape can be turned into a hole in Tinkercad
- ❖ **Letters:** pre-made letter shapes
- ❖ **Numbers:** pre-made number shapes
- ❖ **Symbols:** additional symbol shapes including @, &, !, ? and a few others
- ❖ **Extras:** a few extra shapes

Changing the View: Tips!

- ❖ **Rotate around the center:** Use the arrows on the left side of Tinkercad interface.
- ❖ **Return to the original starting point:** Use the “Home” button if you get disoriented.
- ❖ **Rotate around the screen:** right click with mouse anywhere & drag
- ❖ **Automatically zoom in on only a shape:** Click on a shape & then press the square button
- ❖ **Zoom:** Use the + or – to zoom in/out, OR! Use the scroll wheel on your mouse :)
- ❖ **Pan Movement:** To move left and right or forward and backwards without rotating, hold the Shift key and then right click and drag in any direction. This the center around which you rotate.

Workplane Recommendations

- ❖ **Workplane:** is the blue grid that our shapes are automatically placed on in Tinkercad.
- ❖ As you become more familiar with Tinkercad, you’ll realize that the snap grid setting is similar to rotating your view. You’ll want to regularly switch the snap grid setting. For large pieces, you might not want to have very high resolution, or you may want a .1mm grid for small details. We do not recommend turning snap grid off.
- ❖ Tips for workplane: Edit grid button, just above where we changed the snap grid settings. This allows for you to make smaller or larger movements.
 - To make changes to Snap Grid Settings: In the Grid properties menu that appears when you click Edit grid, click the drop down arrow to the right of Millimeters/Inches to select your unit of measurement.

Download for 3D Printing

1. Once you’ve 100% completed your design, you can download what you’ve created as a 3D file onto your computer.
2. In the upper left corner, single left click the Design menu.
3. Select **Download for 3D Printing**
4. In the menu that appears, choose either STL or OBJ. Please select “.STL” format, if you are printing at the library.
5. Save file to the desktop.