

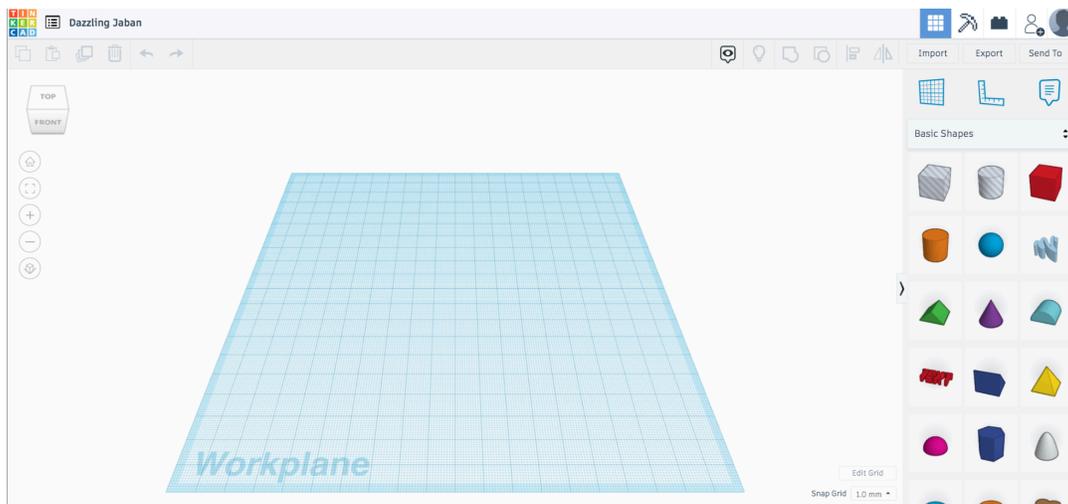
MAKER SKILLS LIBRARY

Maker Skill: TinkerCAD - Scribble Tool

TinkerCAD has a special tool that allows you to create your own 3D shapes. These shapes can take on a more organic, or natural, look than the pre existing shapes in TinkerCAD's various menus.

To get started in TinkerCAD

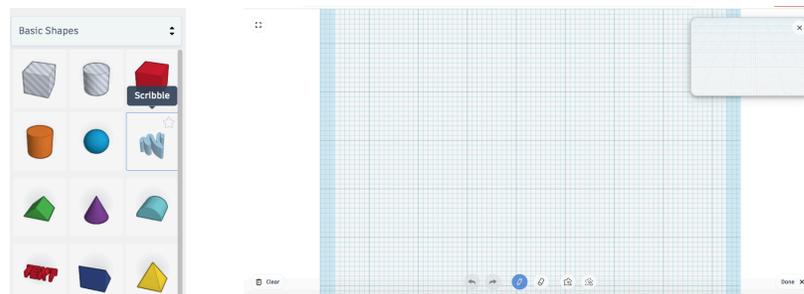
- Head to <https://www.tinkercad.com/>. You'll need to log in to an account, which you can create for free using an email or a class code.
- Once you're logged into your account, click on "create new project."
- Your screen will look like this:



- You can rename your work by clicking the project title (in this example, it's "Dazzling Jaban"), and typing in a new name for your project.
- Click on and drag a shape onto your Workplane from the "Basic Shapes" menu on the right side of the screen to begin creating your object.

Scribble Tool

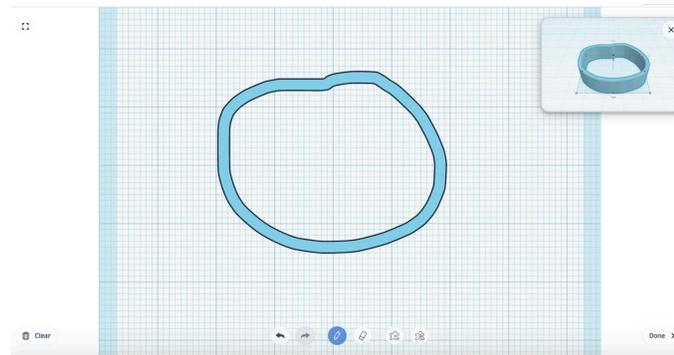
- Drag a "scribble" onto the Workplane from the Basic Shapes menu on the right side of the screen. When you drop the scribble onto the Workplane, your screen will change to show the scribble editor.



- In the scribble editor, there are two drawing tools and two erasing tools at the bottom of the screen. From left to right:



- The **draw** tool allows you to draw 3D “lines” to create shapes as if drawing with a pencil.
 - The **erase** tool erases in the same way the draw tool draws.
 - The **draw with shape** tool allows you to create shapes that are solid or filled in.
 - The **erase with shape** tool erases in the same way the draw with shape tool draws.
- As you use the tools to draw your shape, you will see your shape appear in 3D in the small box on the upper right side of the screen. This shows what your shape will look like when you return to the main editor.



- When you’ve finished creating your shape, click “Done” at the bottom right corner of the screen. This will return you to the main Workplane, and you will see your new shape appear. Your shape can now be resized, moved, rotated, and grouped like any other shape. It can also be turned into a hole.
- You can make changes to a scribble shape by clicking on it and clicking “Edit Scribble” on the menu that appears when the shape is selected.