

Getting started with



AUTODESK®
TINKERCAD®

Create 3D models




















TinkerCad Login

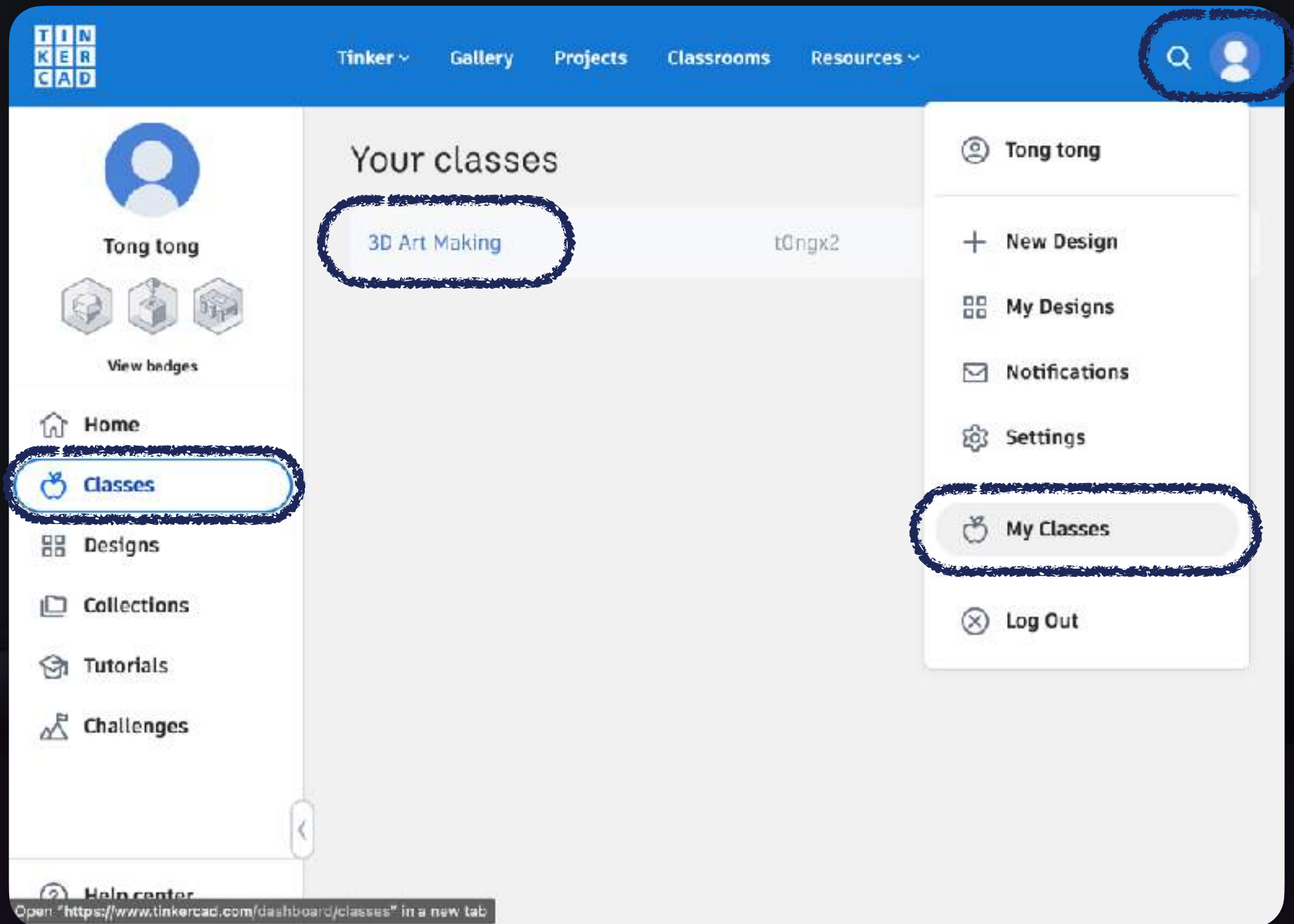
tinkercad.com/joinclass

NGL D2P UBG

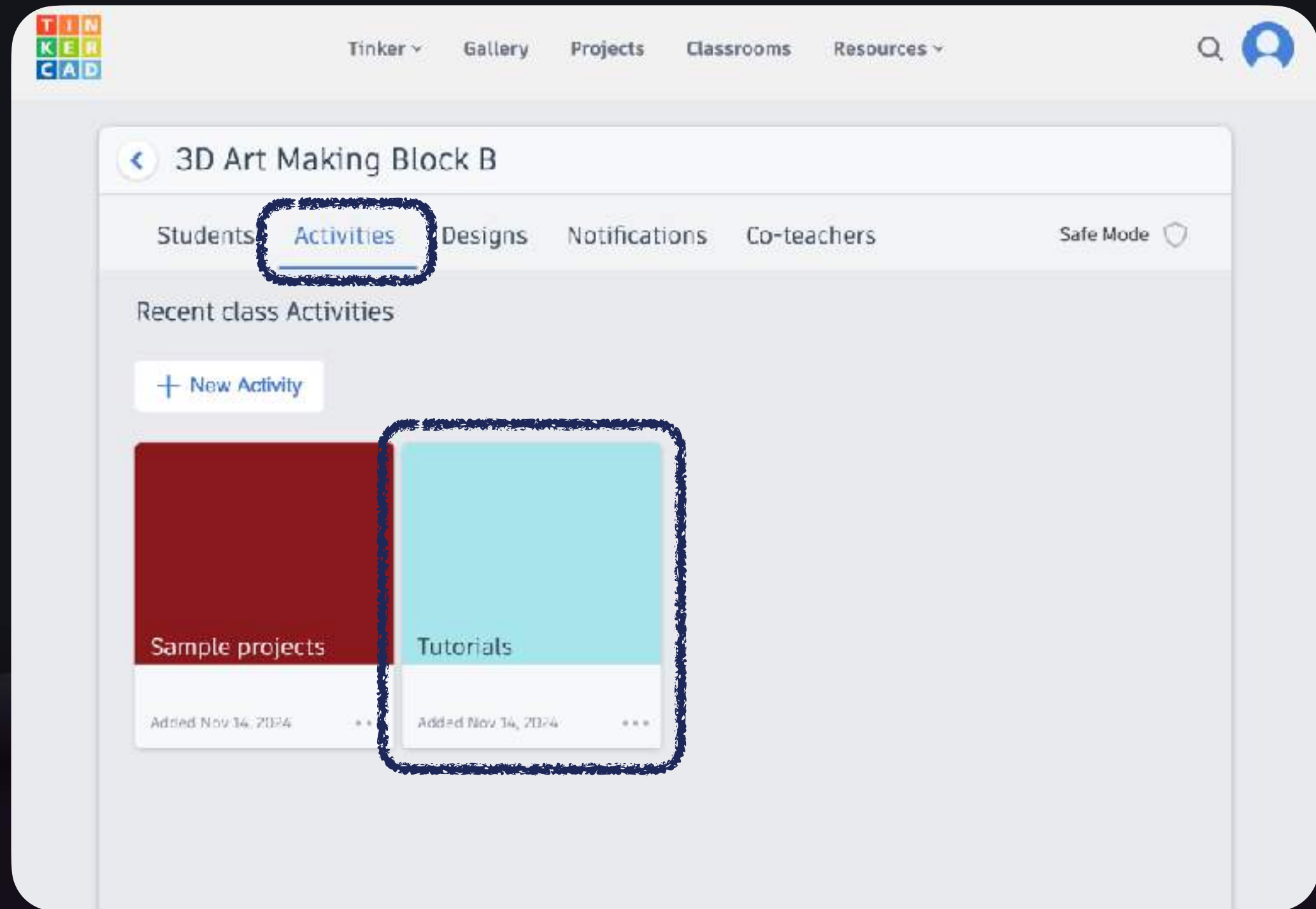
Click: Join with nickname

 Wony Cai	wonycai	 Rachel Liu	rachelliu
 Daisy Dai	daisydai	 Leanne Quetua	leannequetua
 April Gu	aprilgu	 Judy Wang	judywang
 Candy Gu	candygu	 Tongtong Wang	tongtongwang
 Sandra Huang	sandrahuang	 Quartus Wong	quartuswong
 Jacqueline Jia...	jacquelinejiang	 Jasmine Xiang	jasminexiang
 Cindy Li	cindyli	 Kaylee Zhang	kayleezhang
 Belle Lin	bellelin	 Demi Zhou	demizhou
 Katherine Lin	katherinelin		

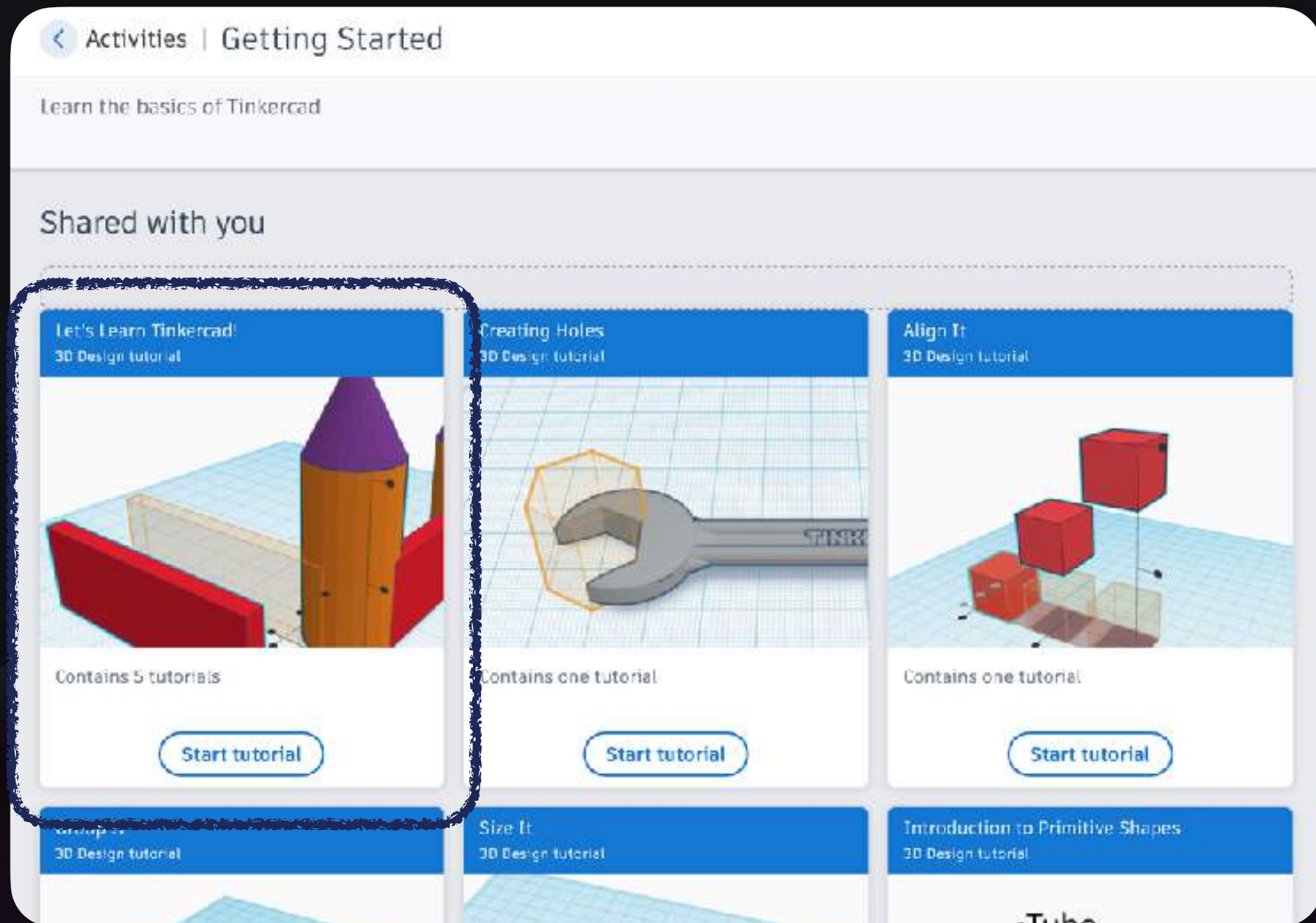
Create 3D models



Create 3D models

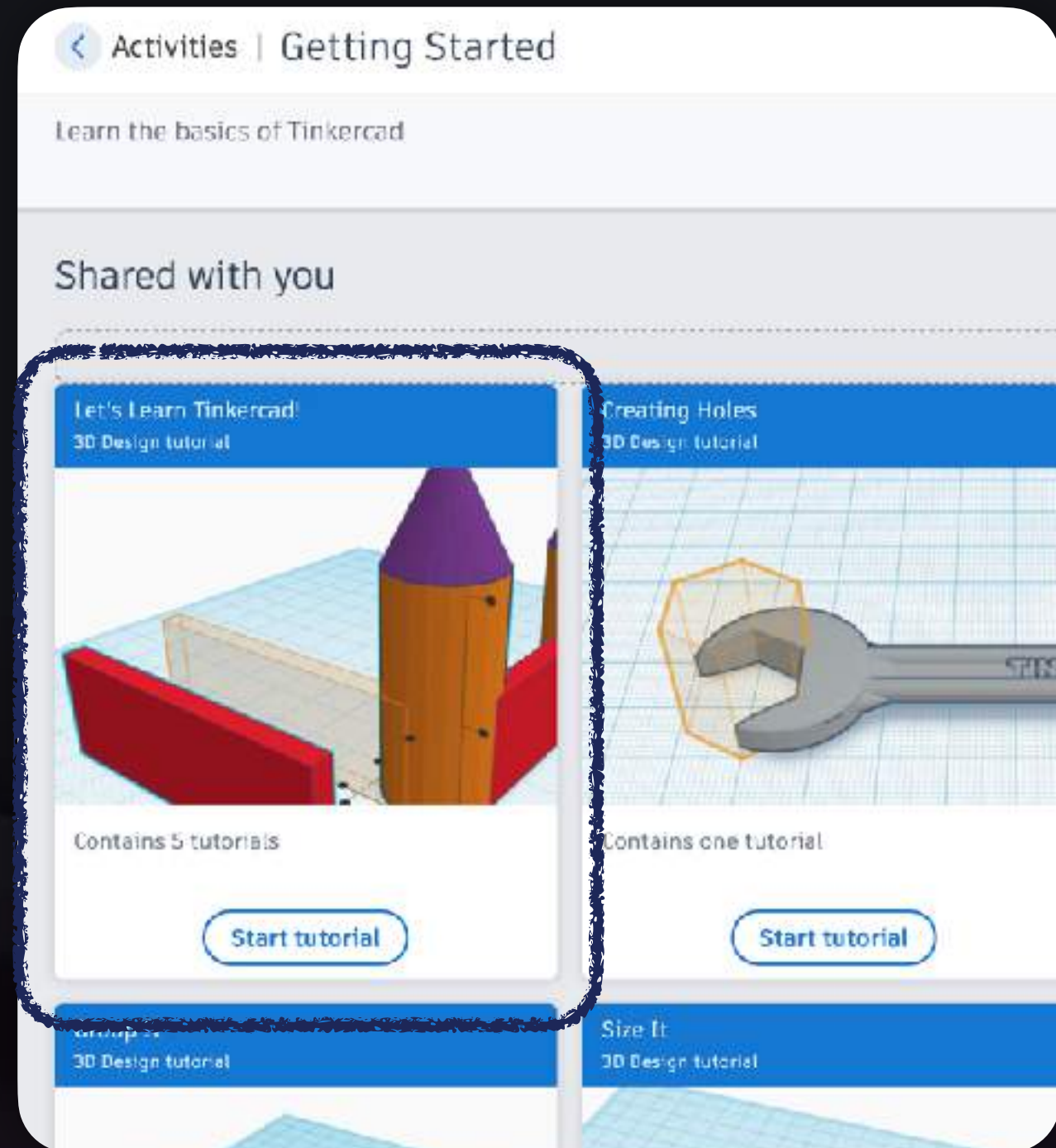


Create 3D models



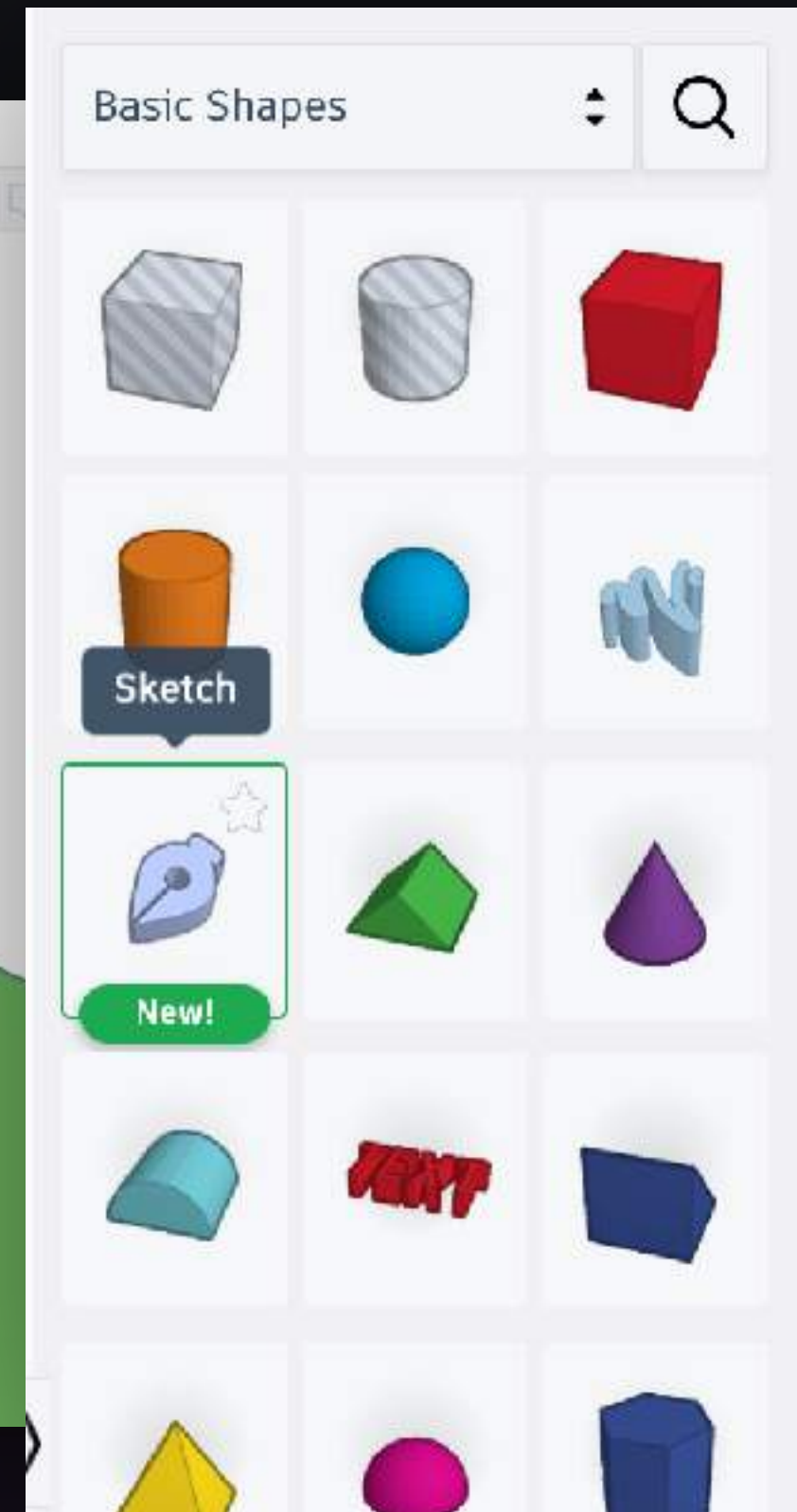
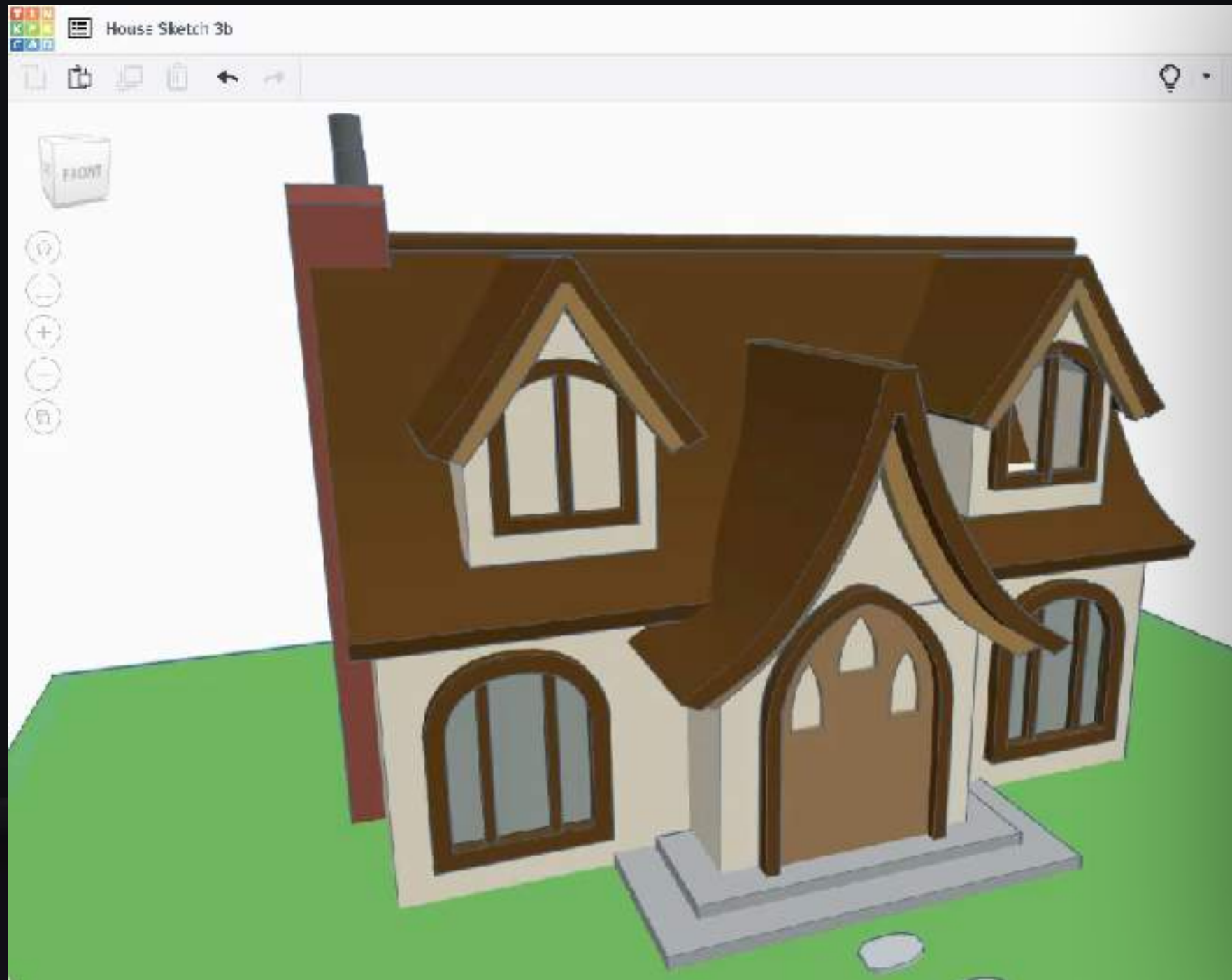
Create 3D models

Follow the
tutorial &
Have a try
(10 mins)

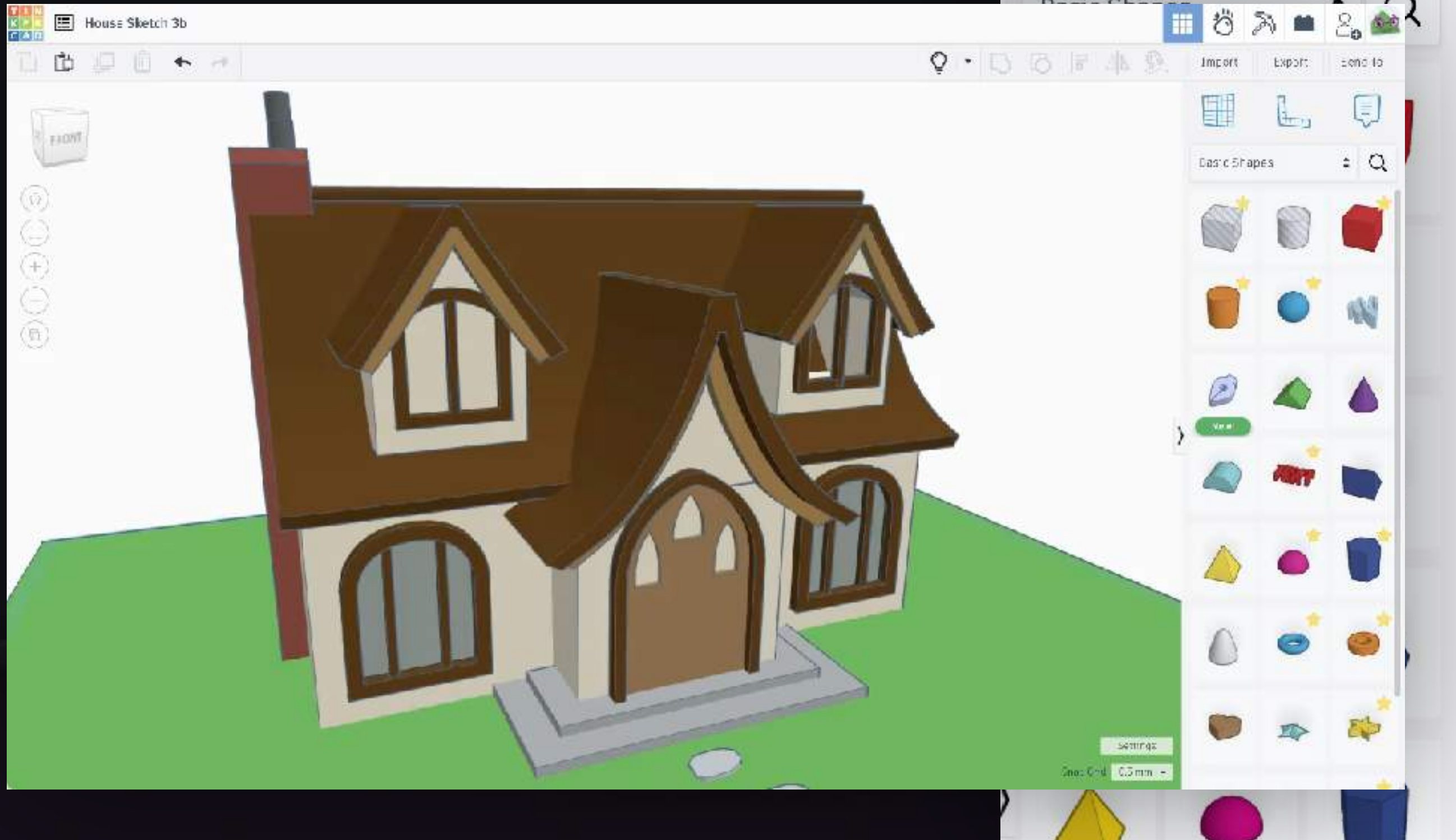


Demo

Tinkercad New Tool

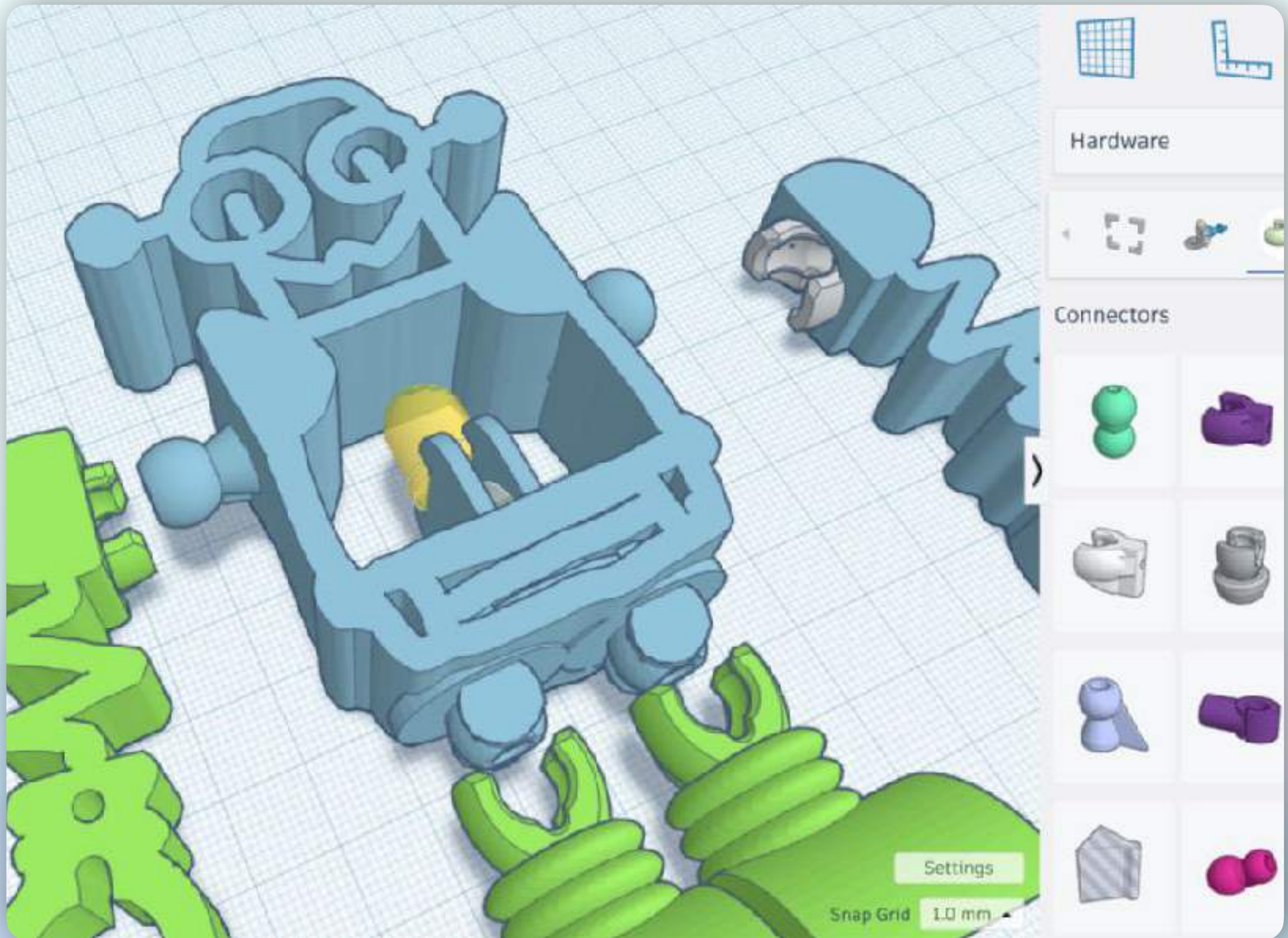


Tinkercad New Tool

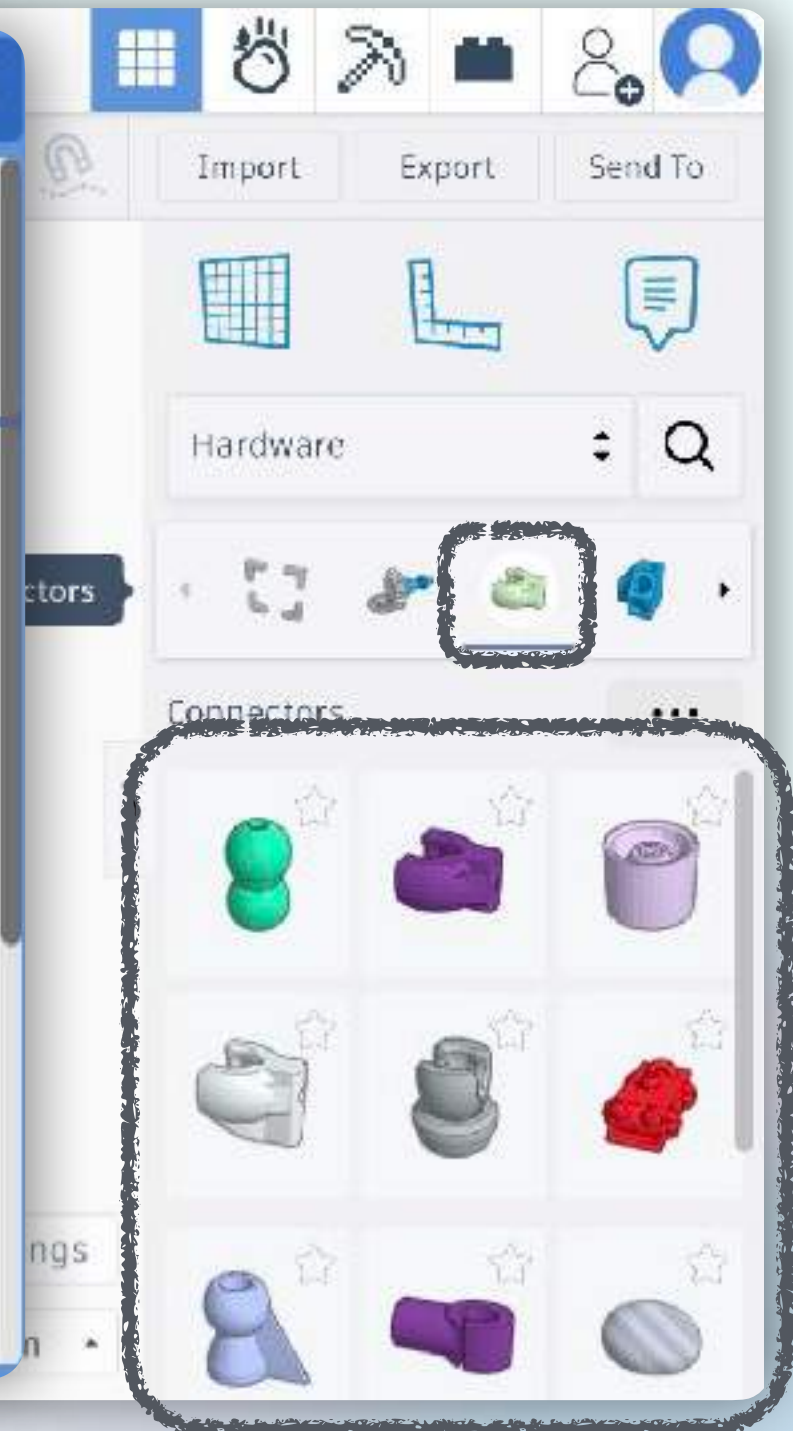
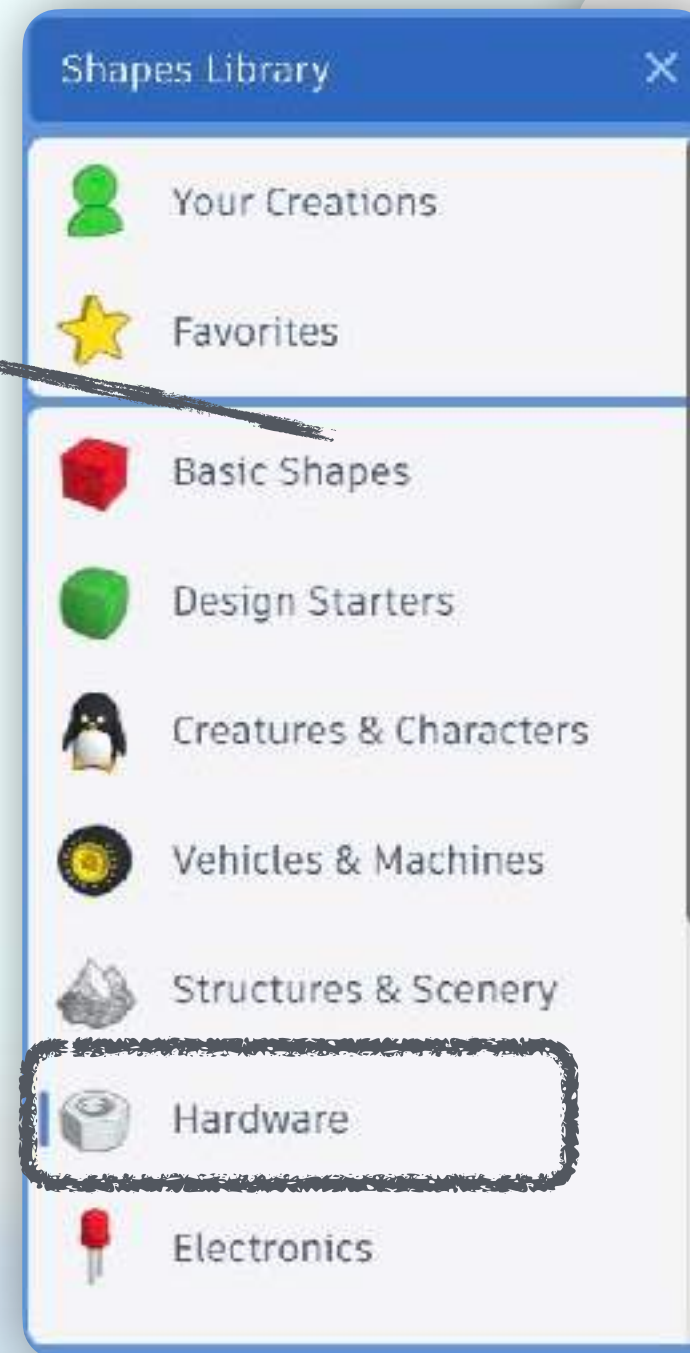
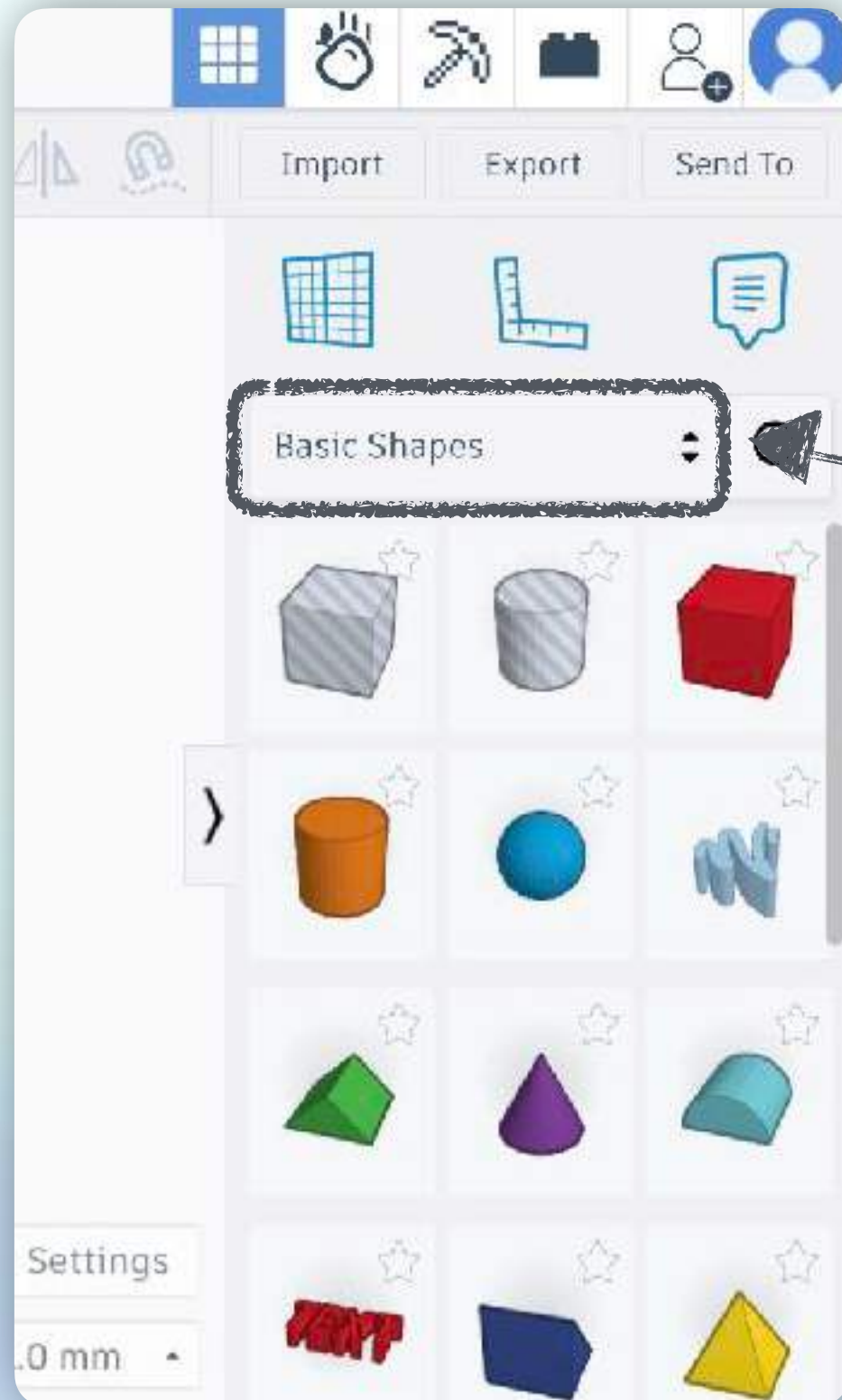


Tinkercad Joints

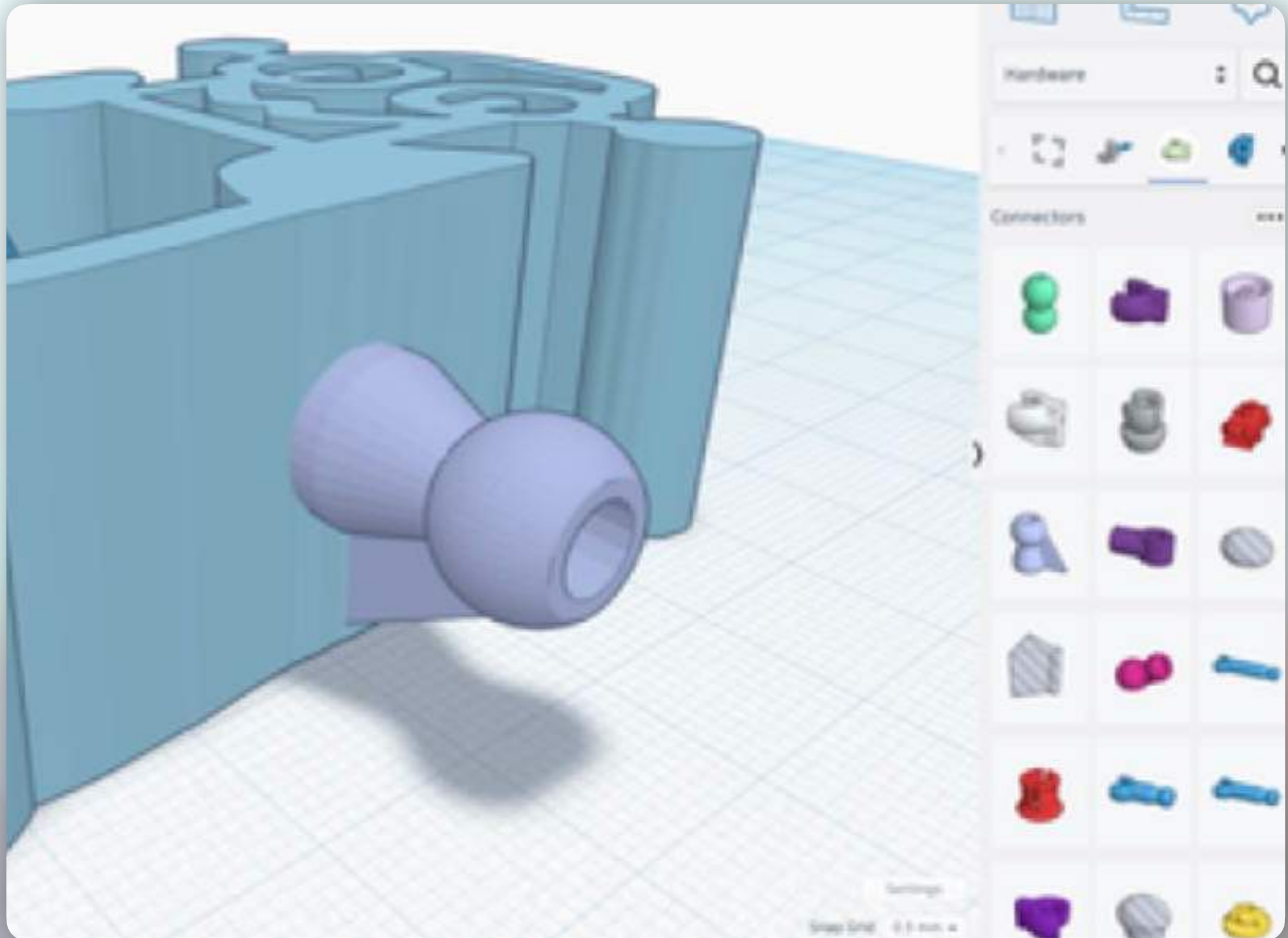
<https://www.instructables.com/How-to-Use-Sockets-and-Joint-Connectors-in-Tinkercad/>



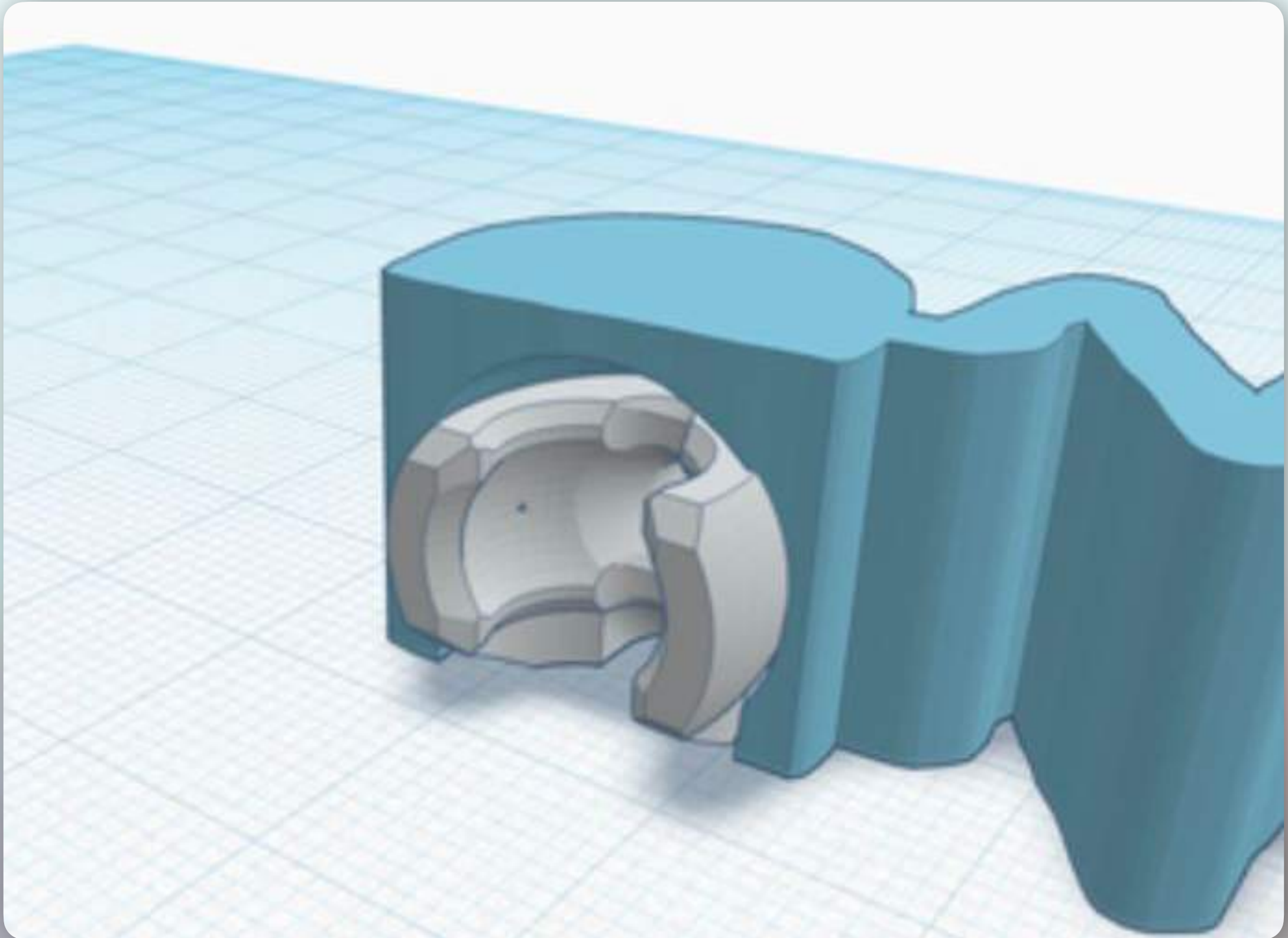
Shapes Panel



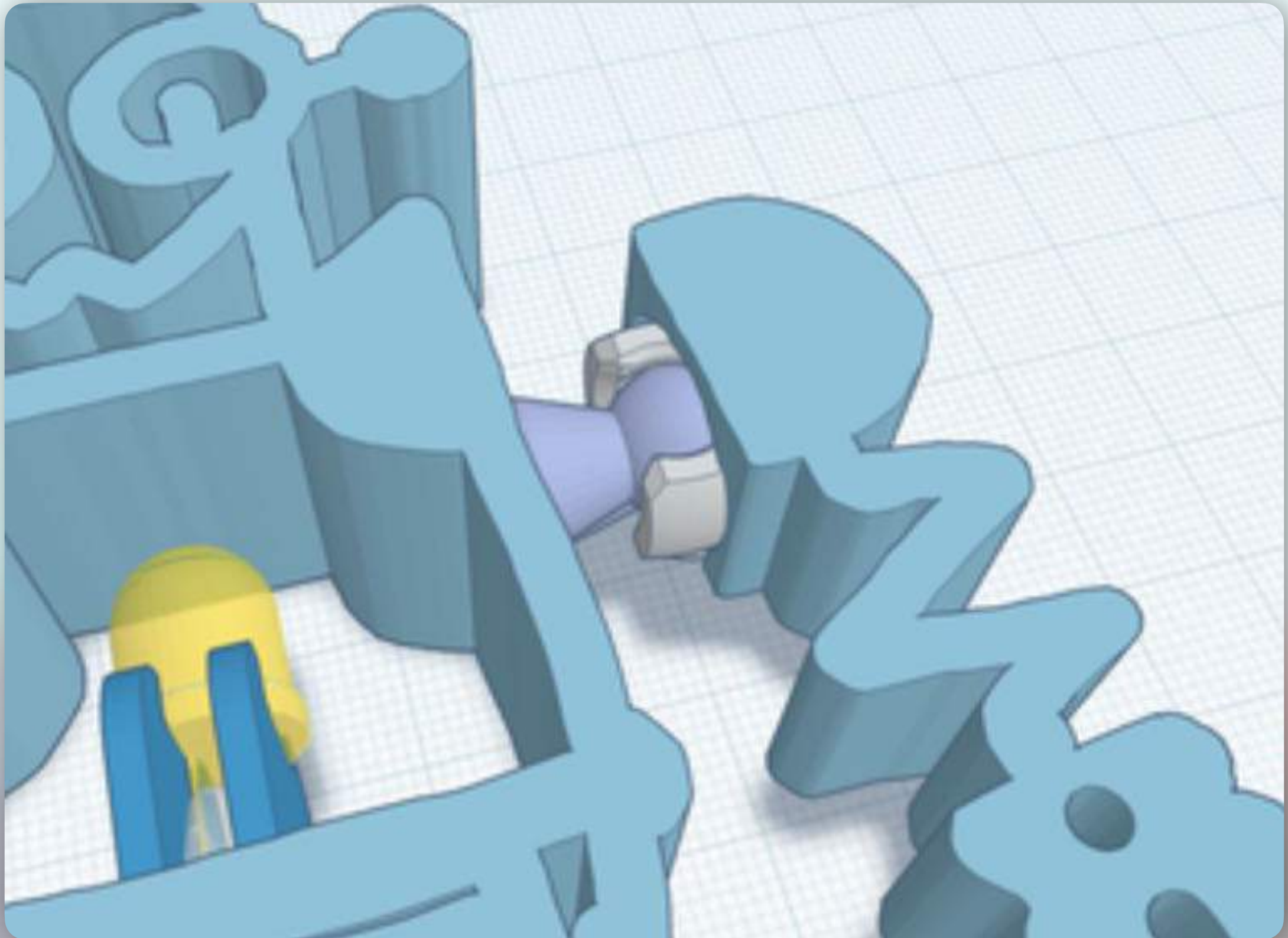
Ball joint



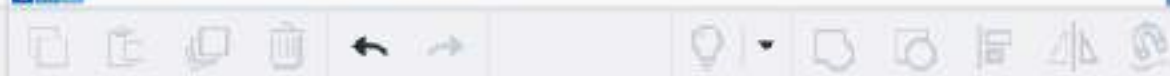
Socket



Test fit

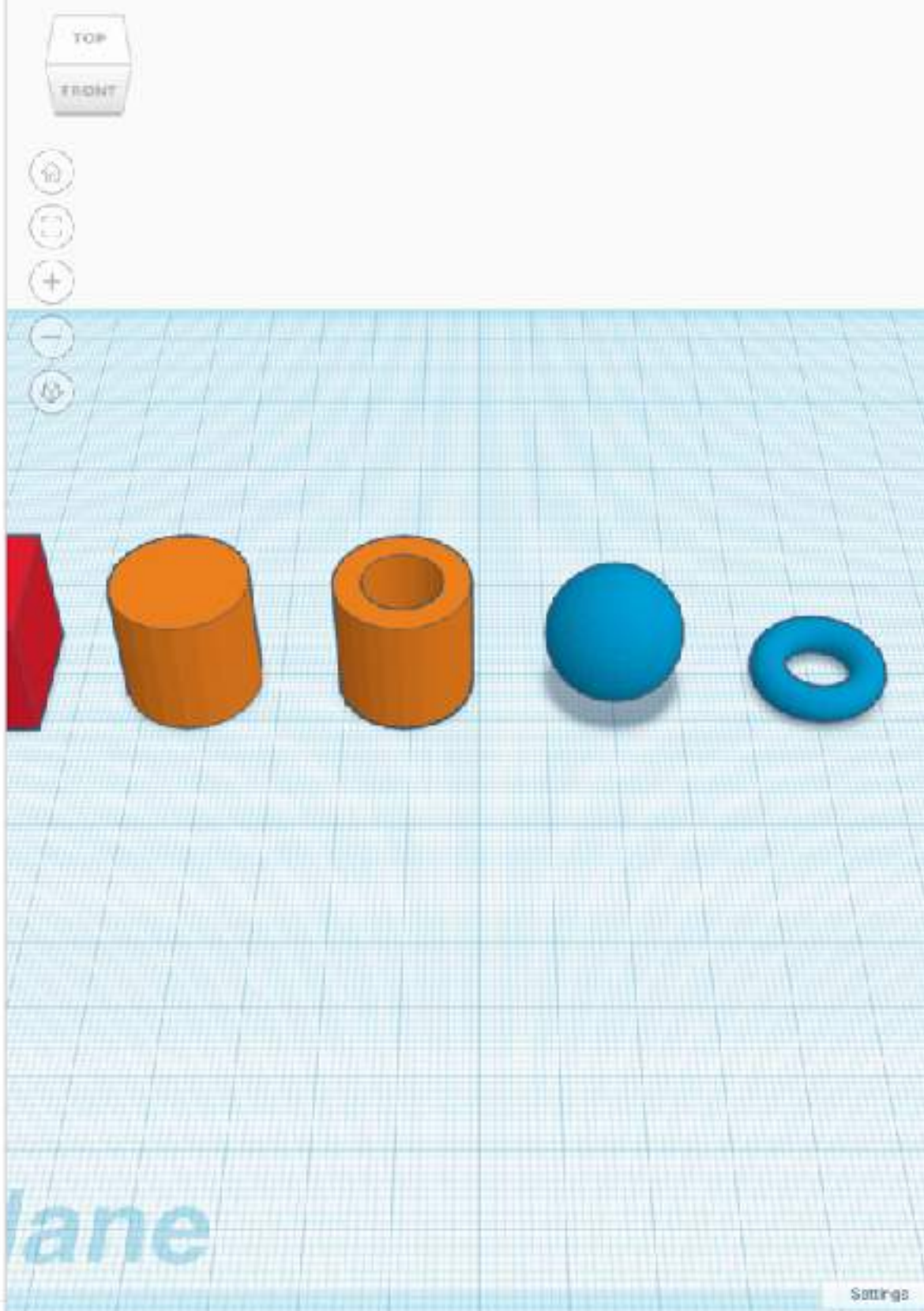
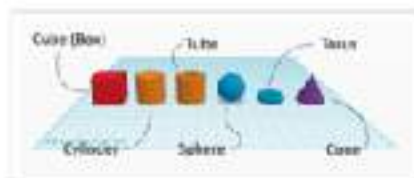


Exporting for 3D prints



Introduction to 3D Primitive Shapes

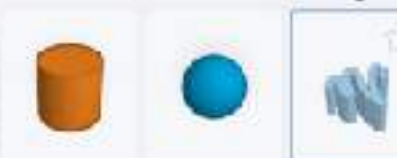
In this project you will explore primitive 3D shapes (like boxes, tubes and cylinders) and learn to identify those shapes in a larger project.



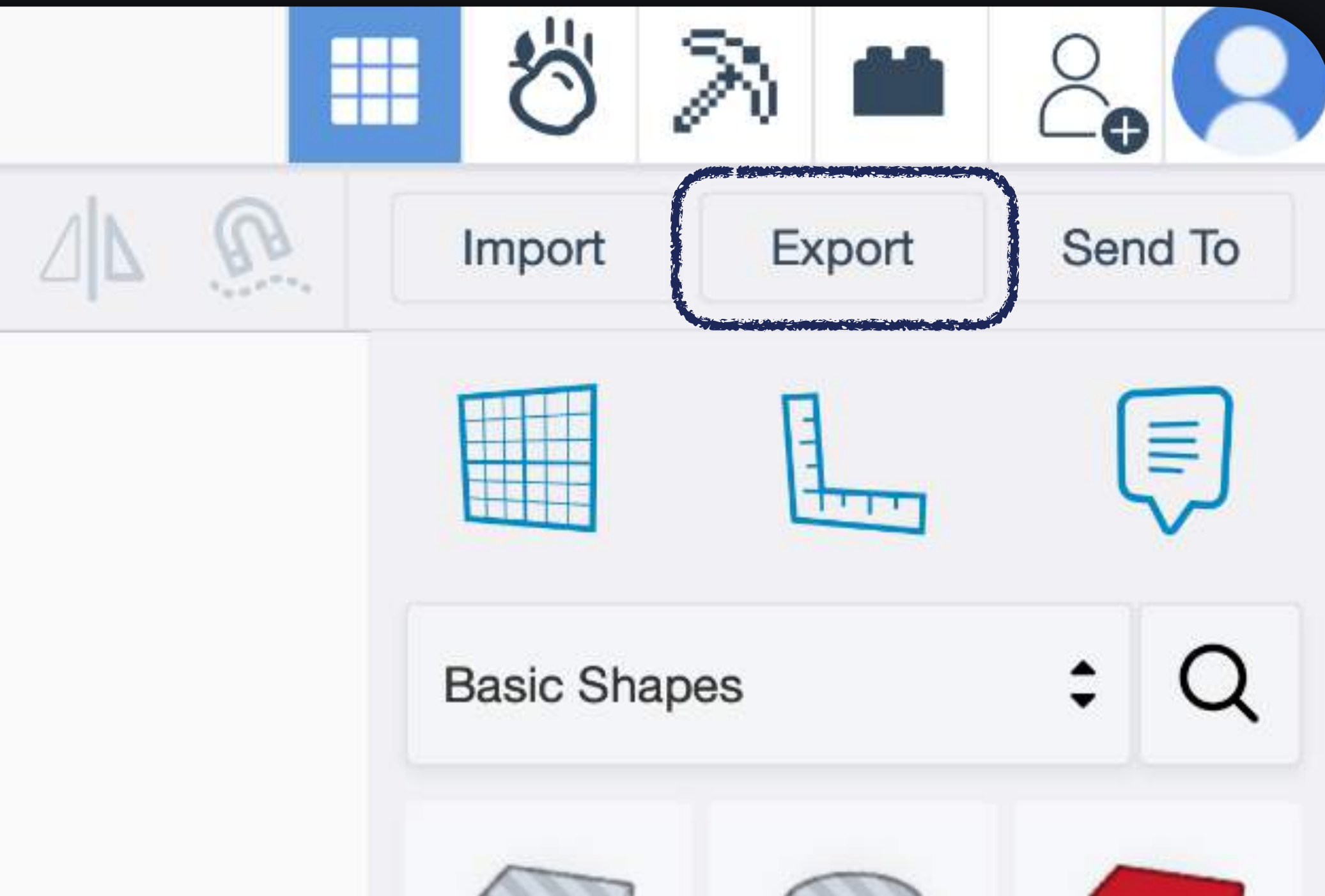
Basic Shapes



Scribble



Exporting



Create 3D models

Download

3D Print

×

Include

☒ Everything in the design.

☐ Selected shapes (you need to select something first.)

For 3D Print

.OBJ

.STL

GLTF (.glb)

For Lasercutting

.SVG

?

More information

Embossing paper



Light/shadow art



<https://www.kickstarter.com/projects/1856422226/zilios-light-up-your-outdoors-with-3d-printed-solar-lamps>

City skyline

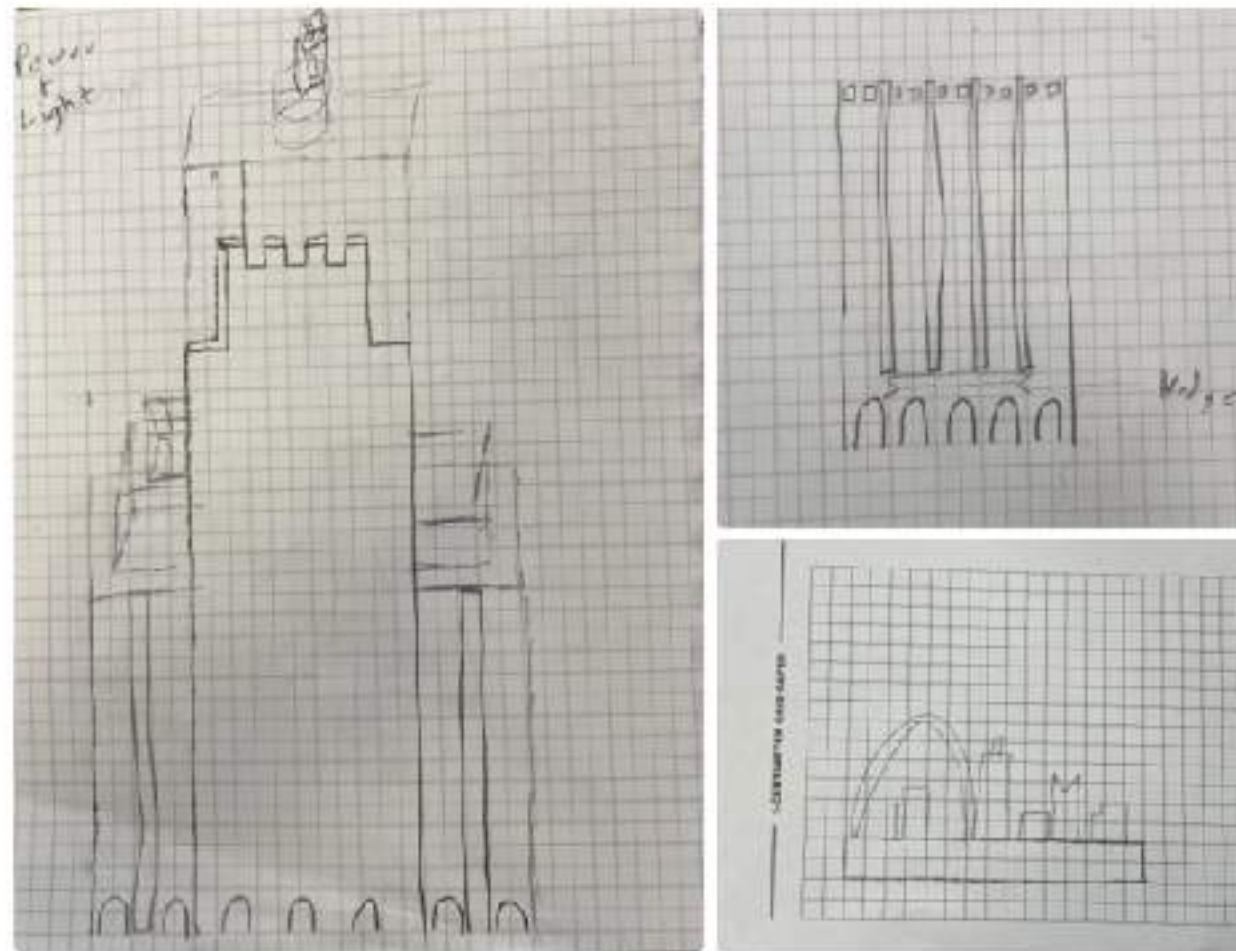


<https://www.instructables.com/3D-Print-Your-Own-City-Skyline/>

City skyline

to look up cities they are interested in. Finding 1 or 2 reference pictures will be very helpful when students start designing.

Step 2: Plan Your Design



After building background information, we're ready to plan our designs. I always like to show some of the design sketches I've made to show how to identify basic shapes like cubes, wedges, and cylinders that we'll

City skyline

Step 4: Prepare Your 3D Model for Printing

