3D Art making ECA

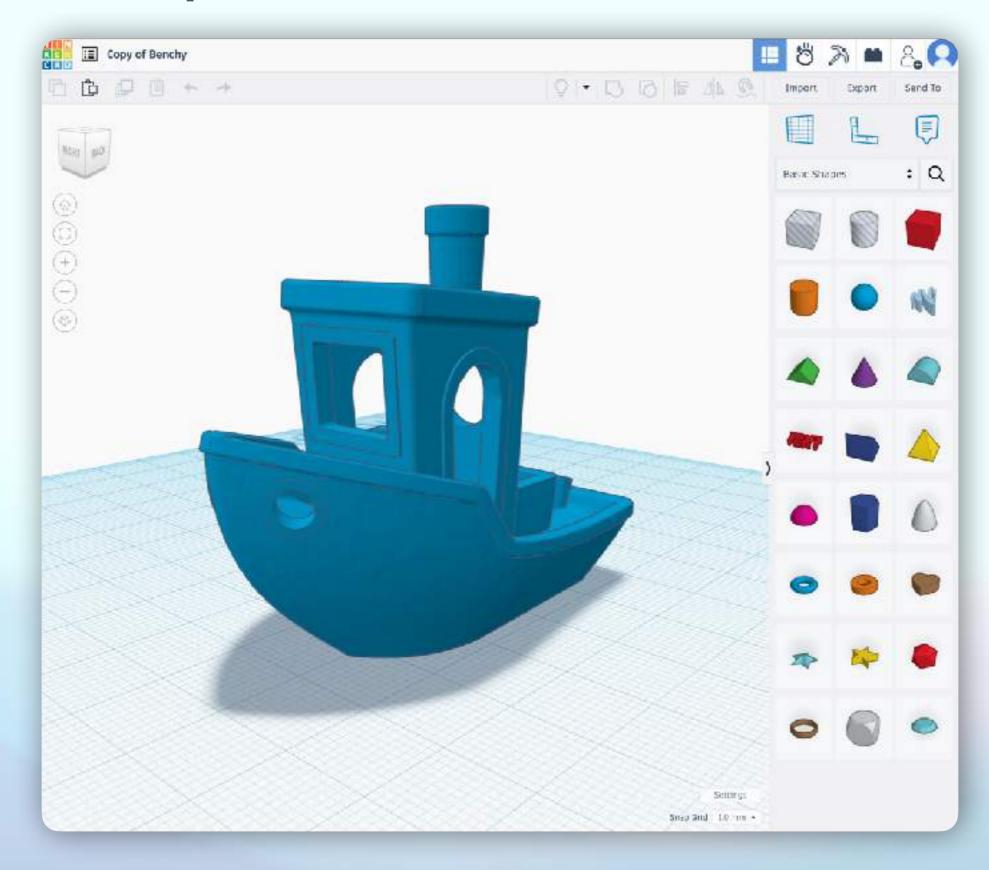
Block C - Session 1

What is a 3d model?

- Digital representation of a 3D object
- For various purposes
 - Game assets
 - Visual effects
 - Engineering
 - 3D printing
- Mass distributable
- No material or physical constraints

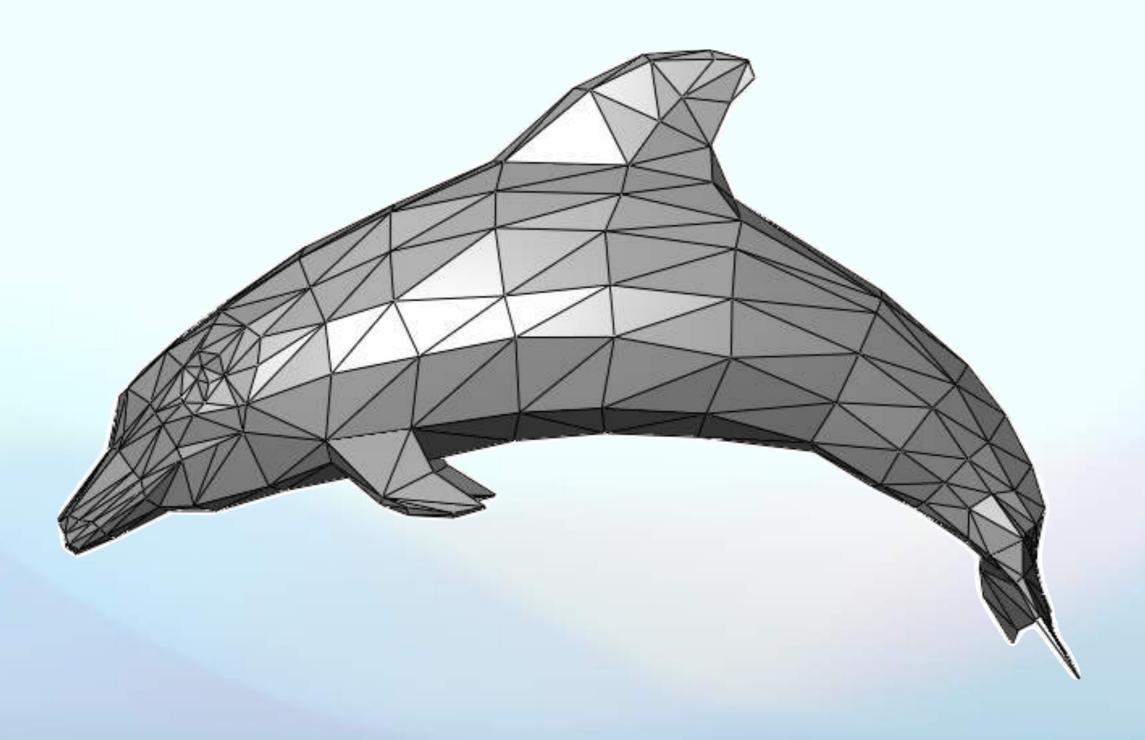


Digital representation of an 3D form

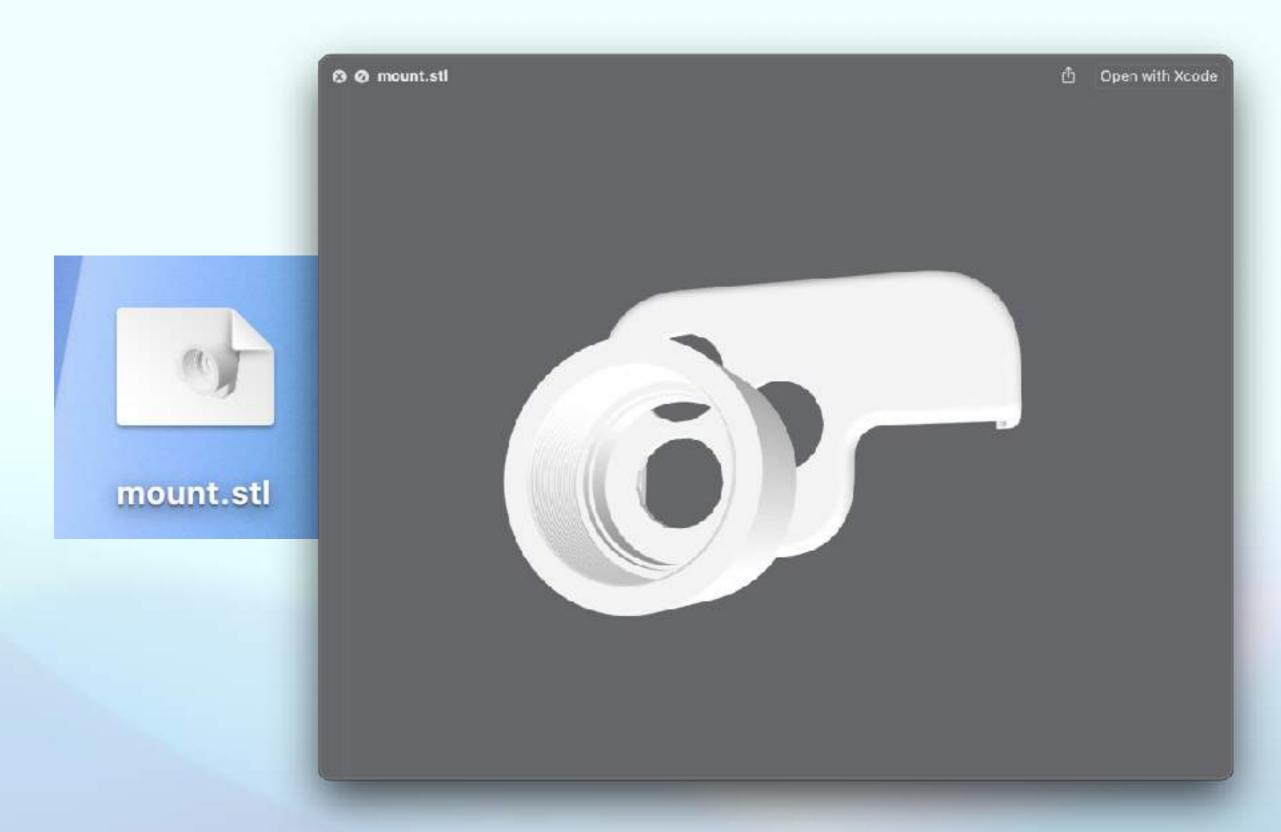


Mesh

 Collection of vertices, edges, and faces that define the shape of a 3D object.

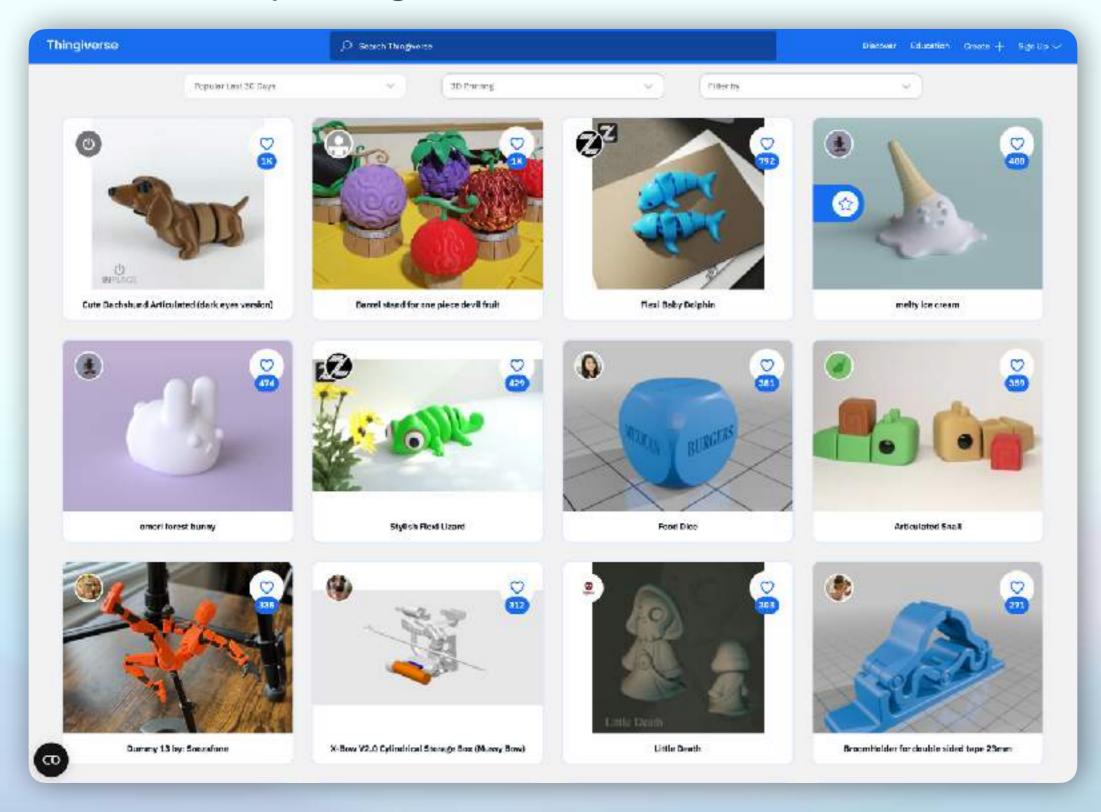


.STL File - Standard Triangle Language



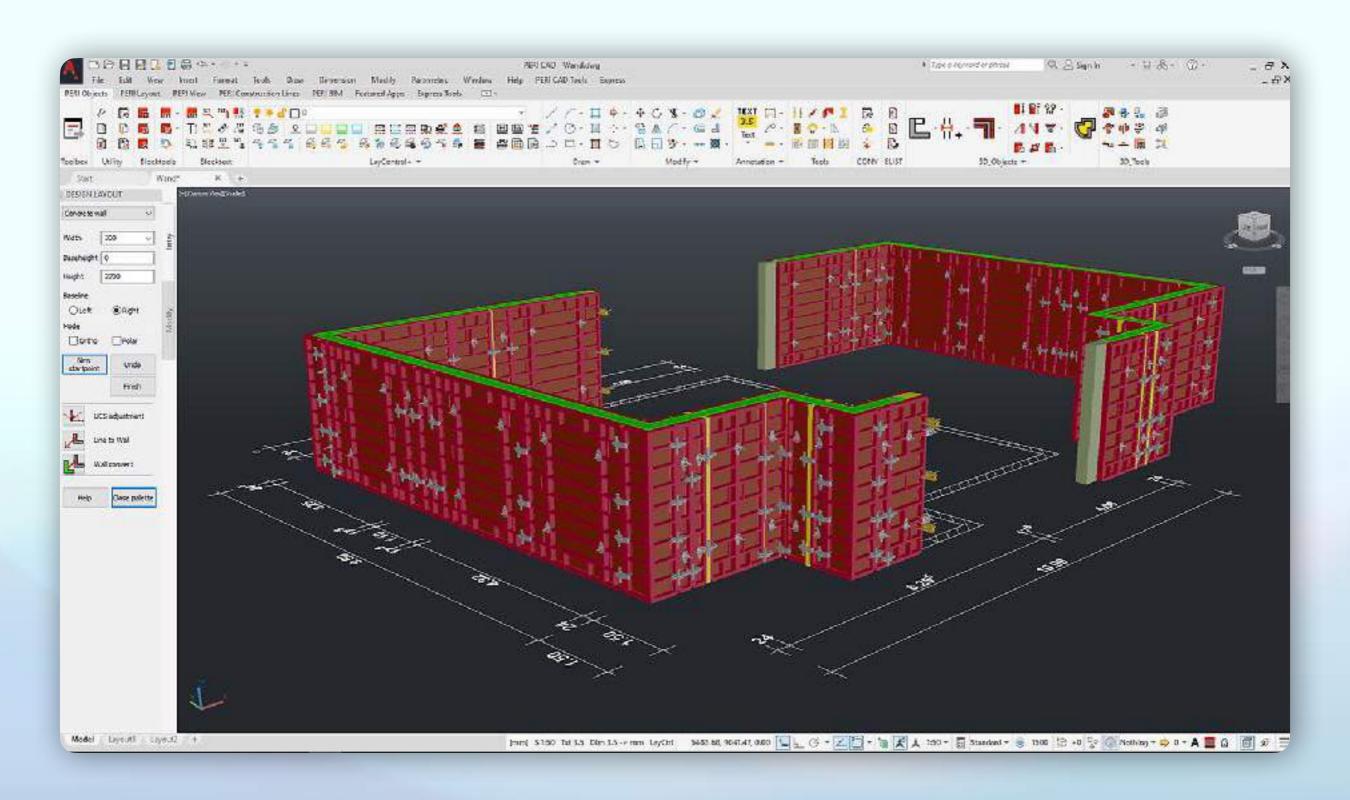
Mass distributable

Game assets, 3D printing



No material or physical constraints

Increased precision - Engineering, Visual effects



3D Modeling programs



AUTODESK° TINKERCAD°











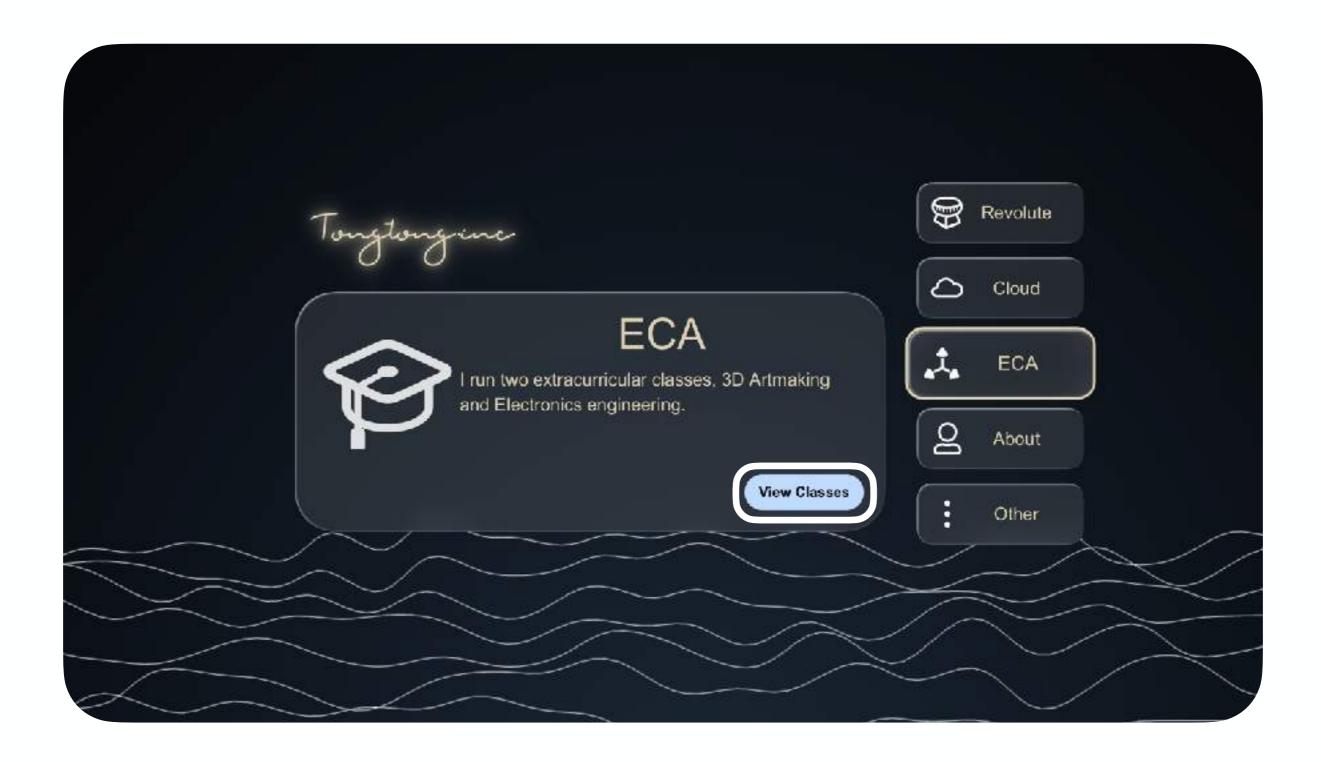


Shapr3D

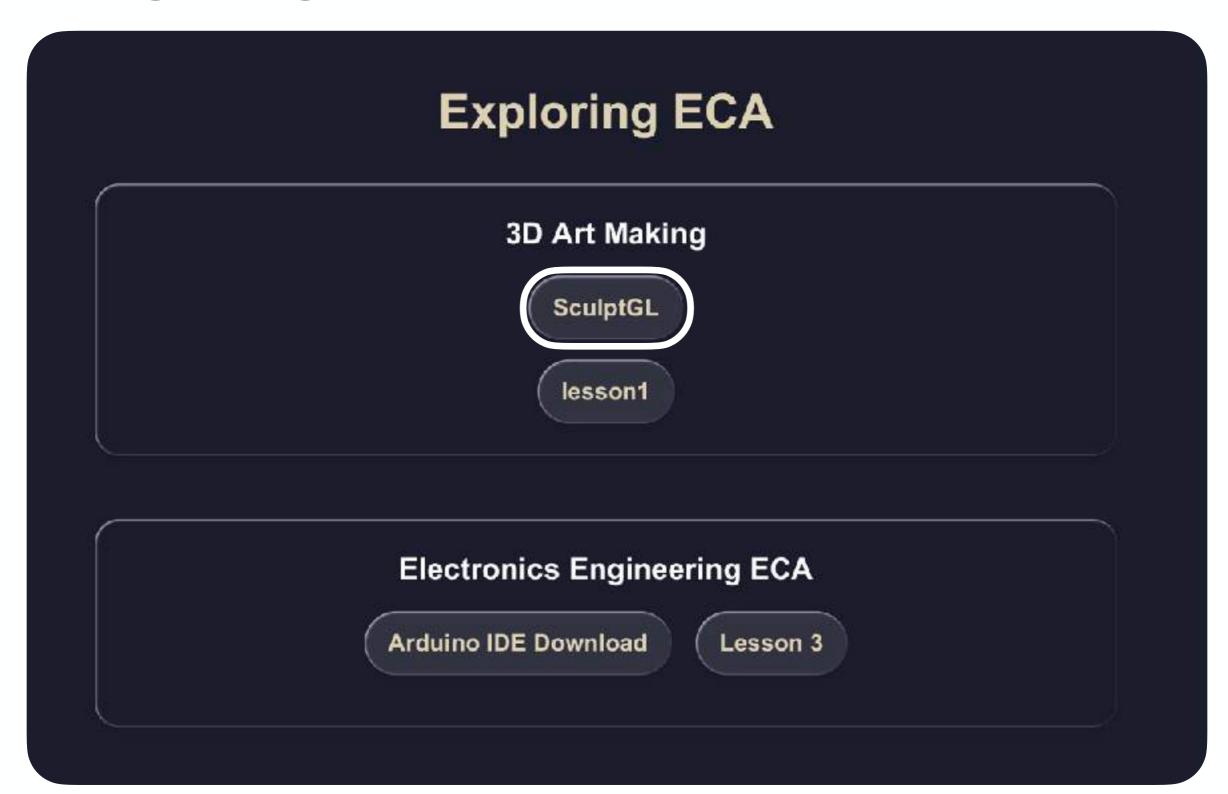




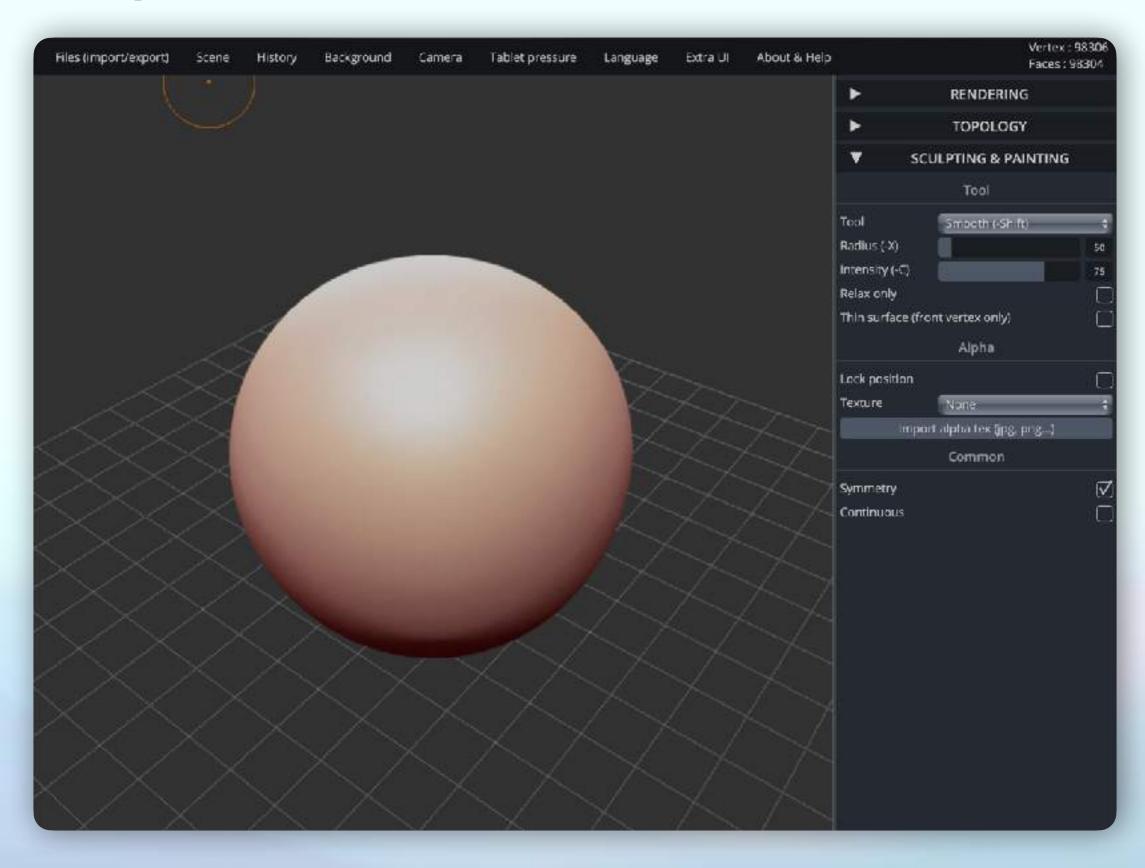
tongtonginc.com



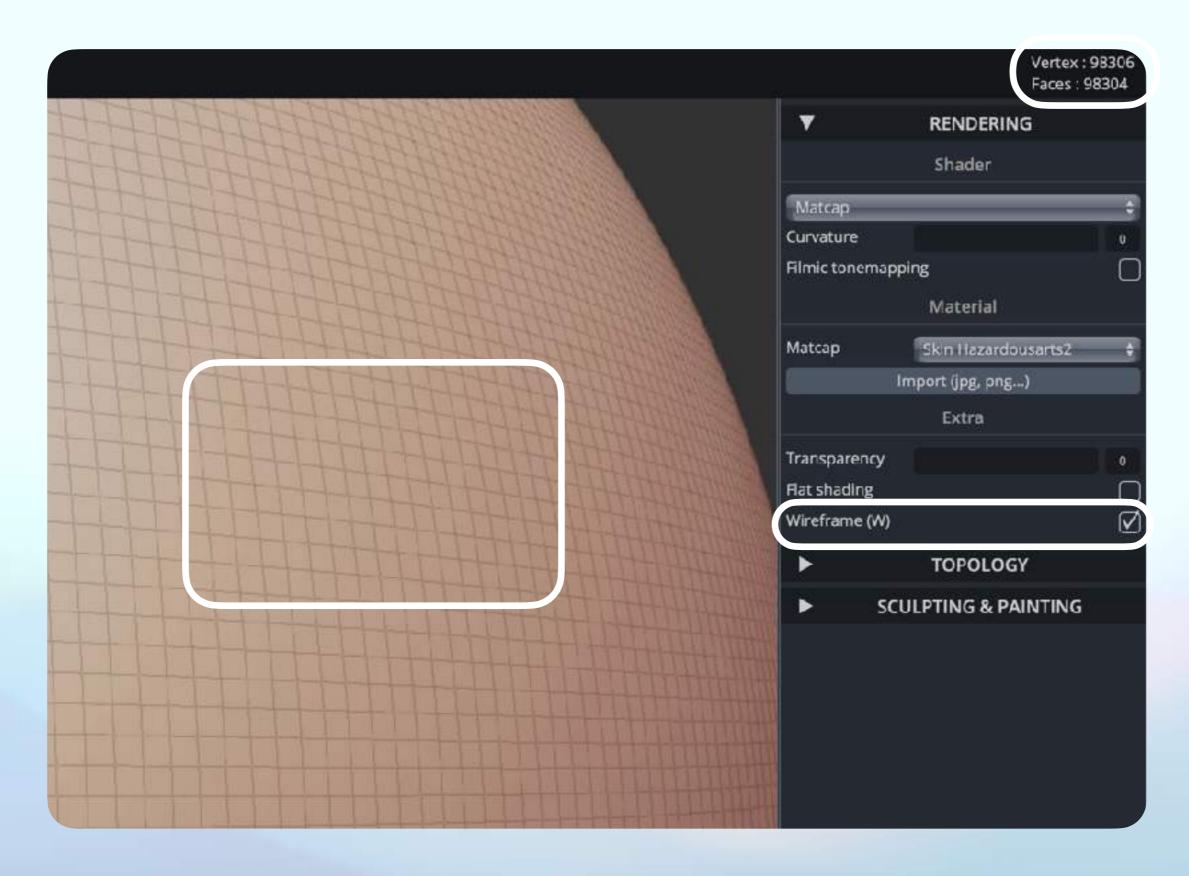
tongtonginc.com



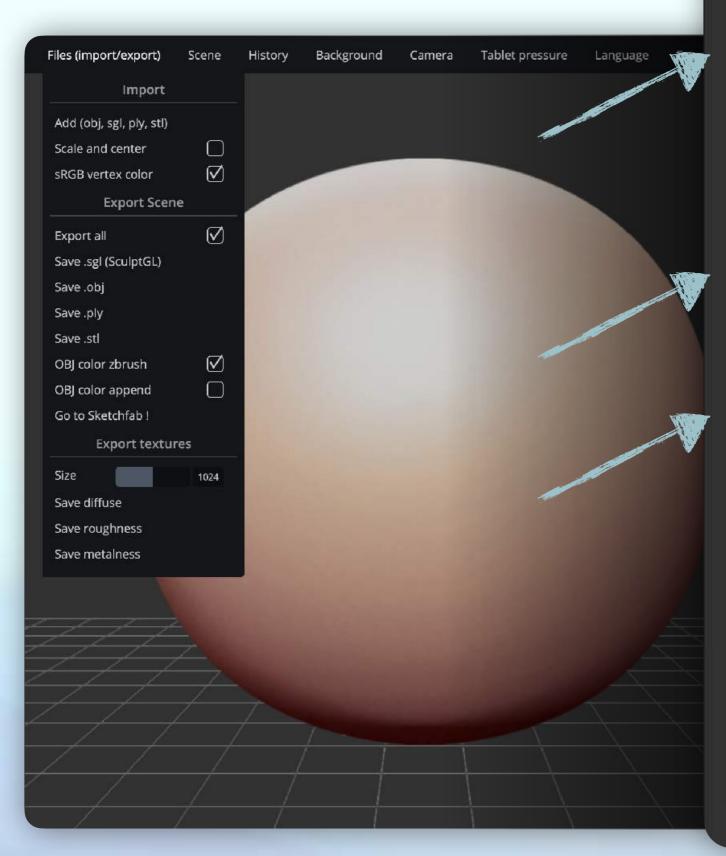
Sculpt GL



Mesh



Save and load



Files (import/export)	Scene	Hist
Import		
Add (obj, sgl, ply, stl)		
Scale and center		
sRGB vertex color	\bigcirc	
Export Scen	e	
Export all	abla	
Save .sgl (SculptGL)		
Save .obj		
Save .ply		
Save .stl		
OBJ color zbrush	\bigcirc	
OBJ color append		
Go to Sketchfab!		
Export textur	es	п
Size	1024	п
Save diffuse		
Save roughness		
Save metalness		

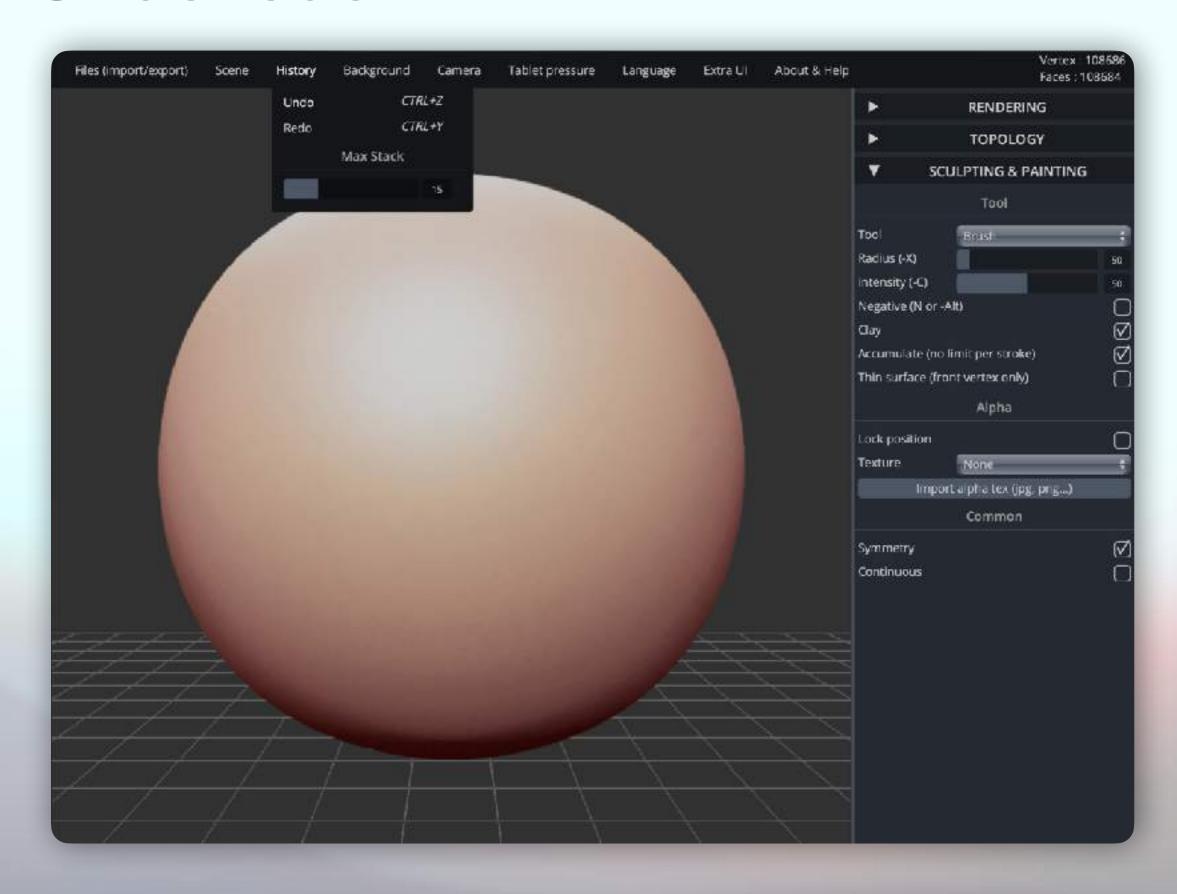


THIS WEBSITE DOES NOT AUTO SAVE

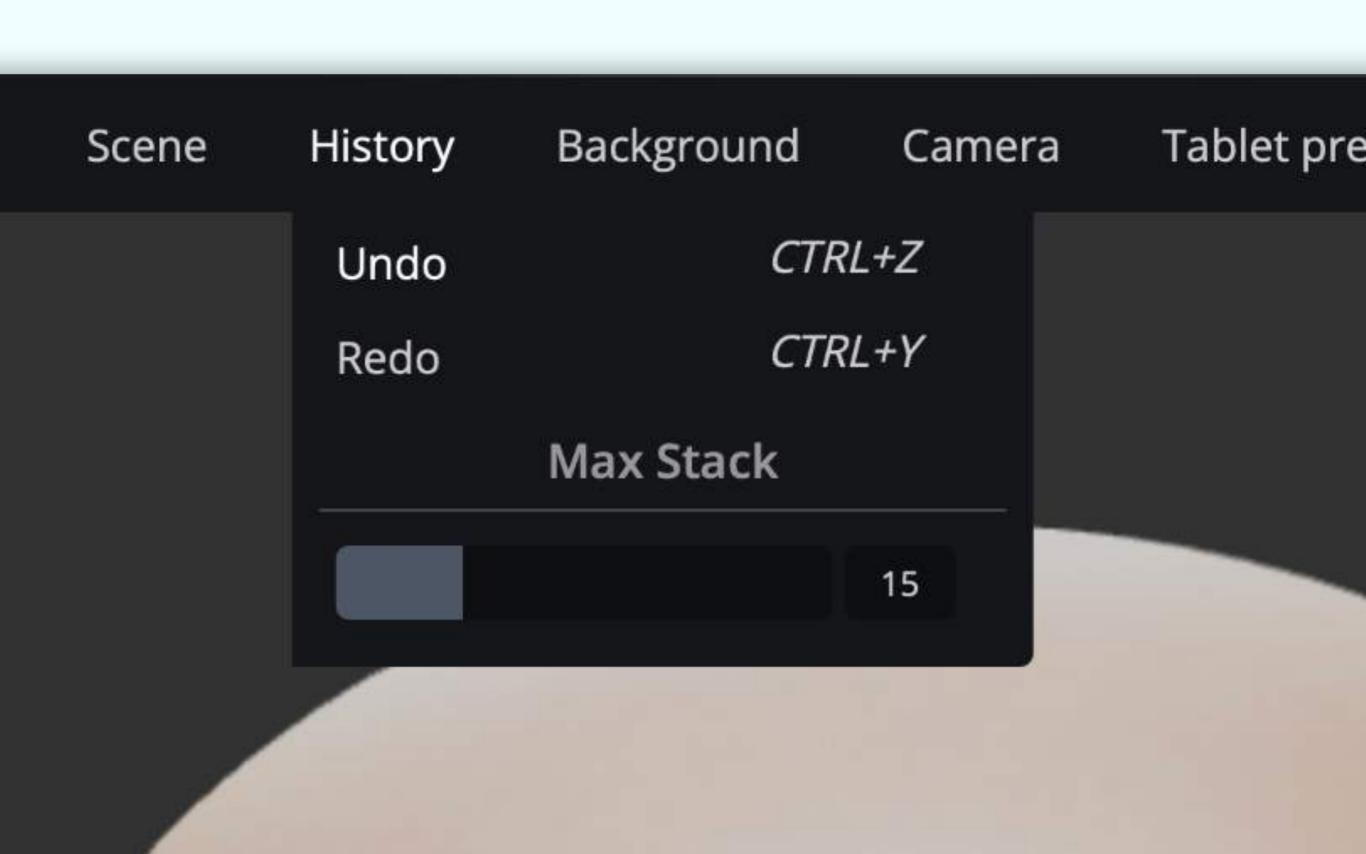
YOUR WORK IS GONE IF YOU RELOAD

IN ORDER TO SAVE YOU HAVE TO EXPORT

Undo redo



Undo redo



Undo re

round Camer

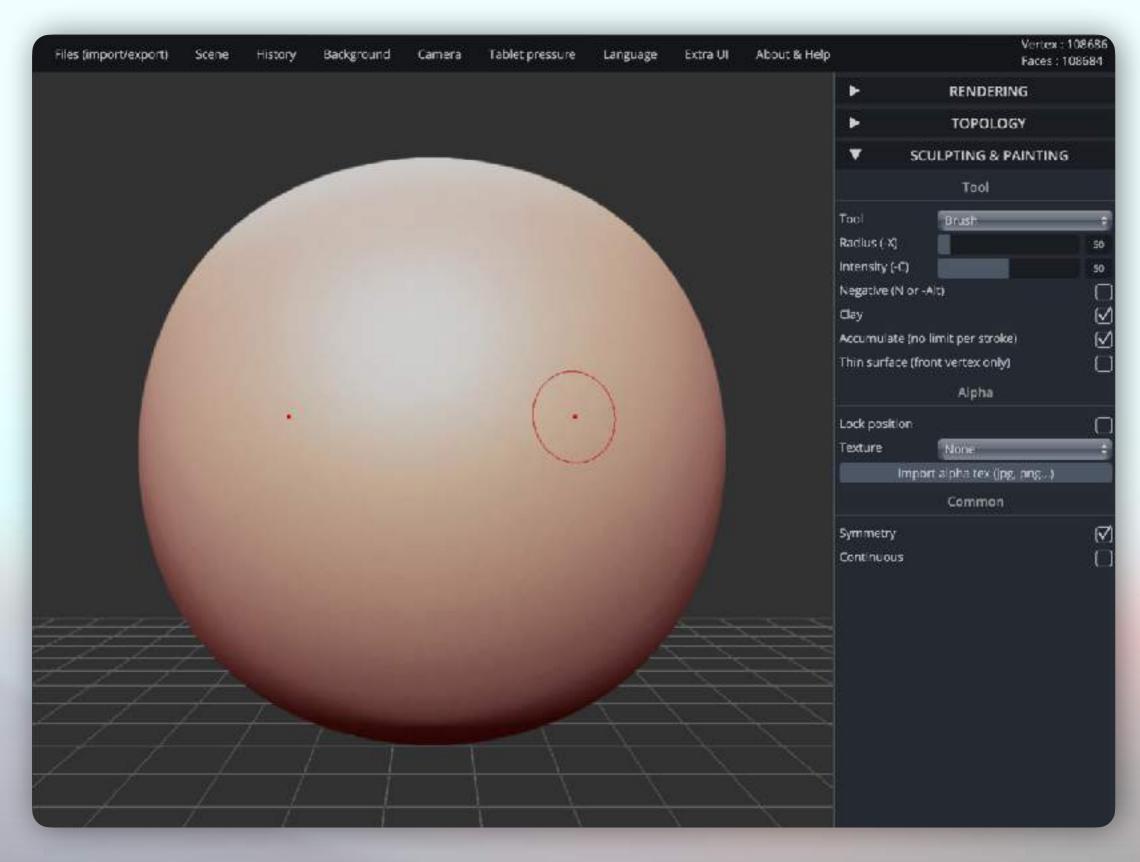
CTRL+Z

CTRL+Y

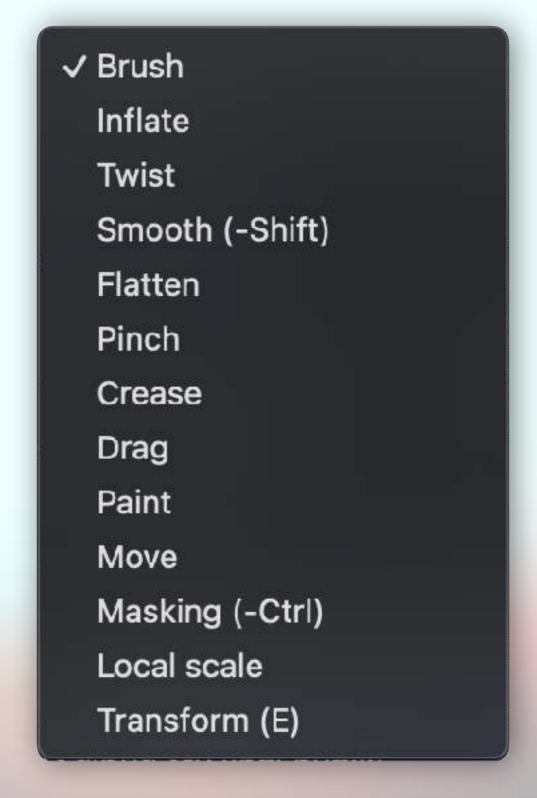
tack

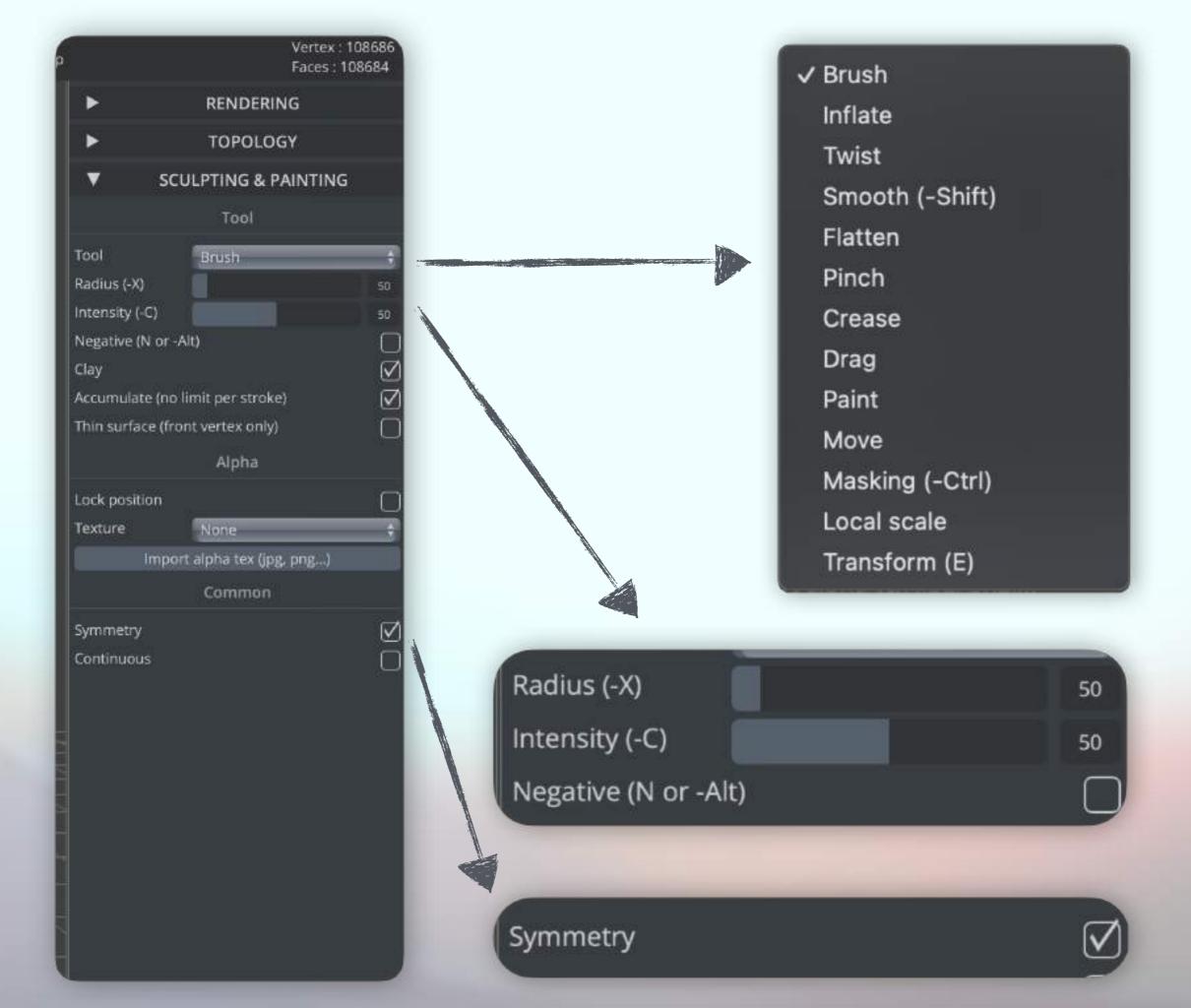
15





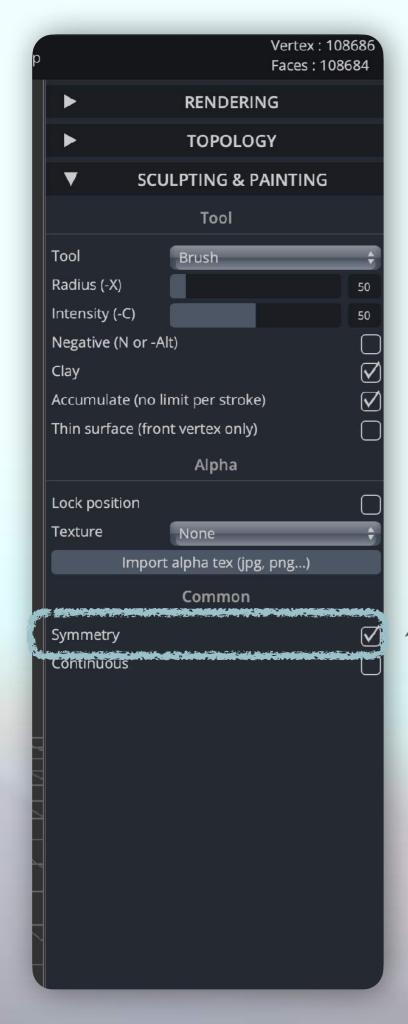






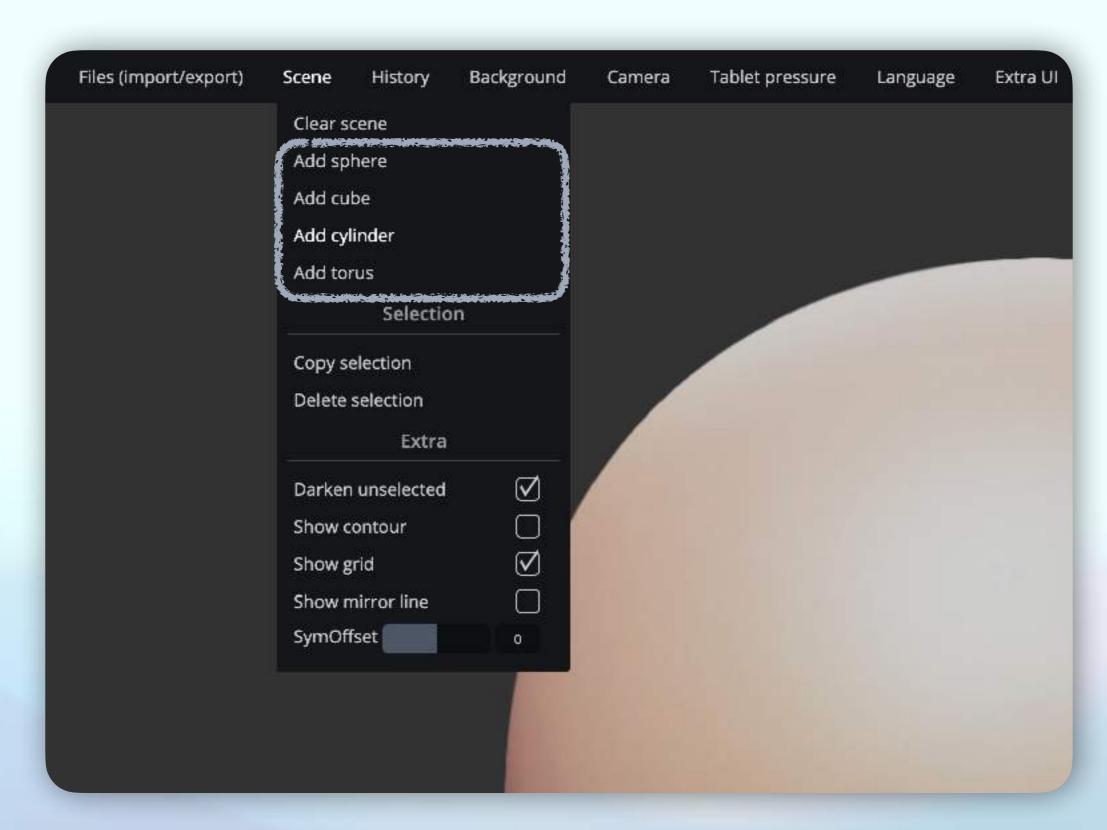




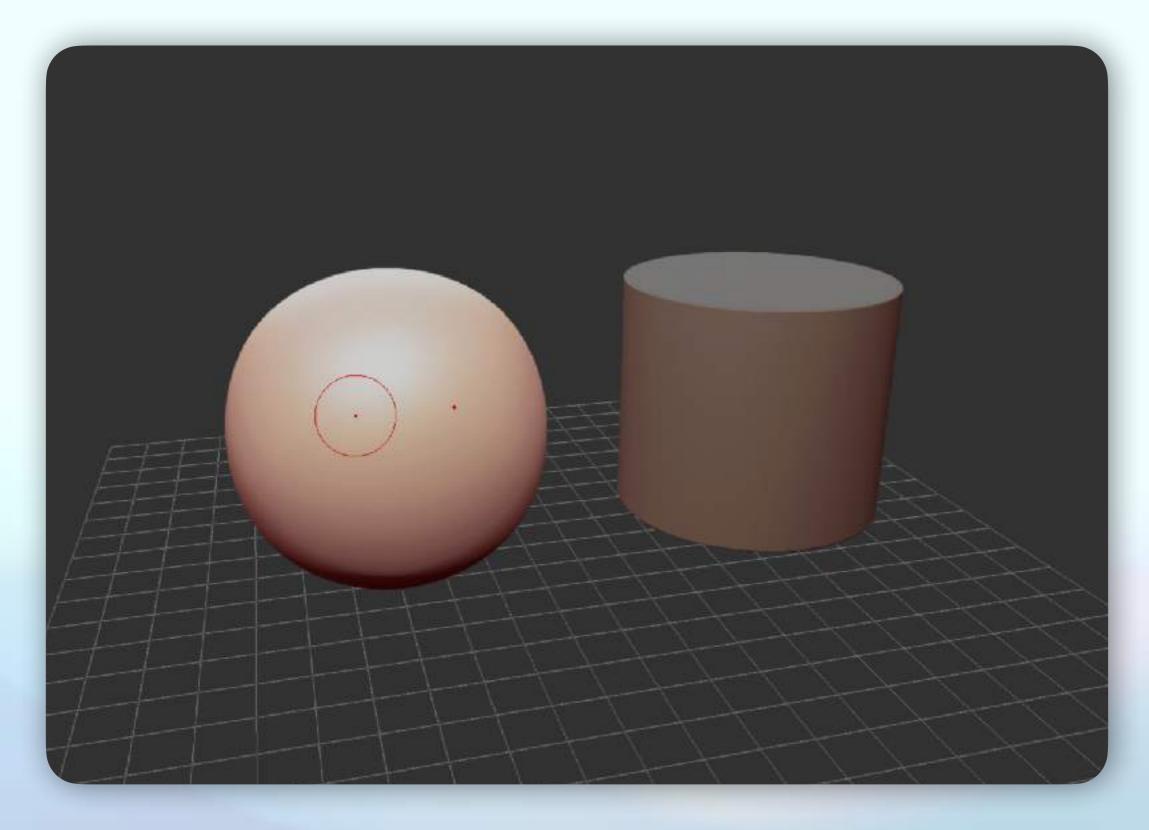


Symmetry

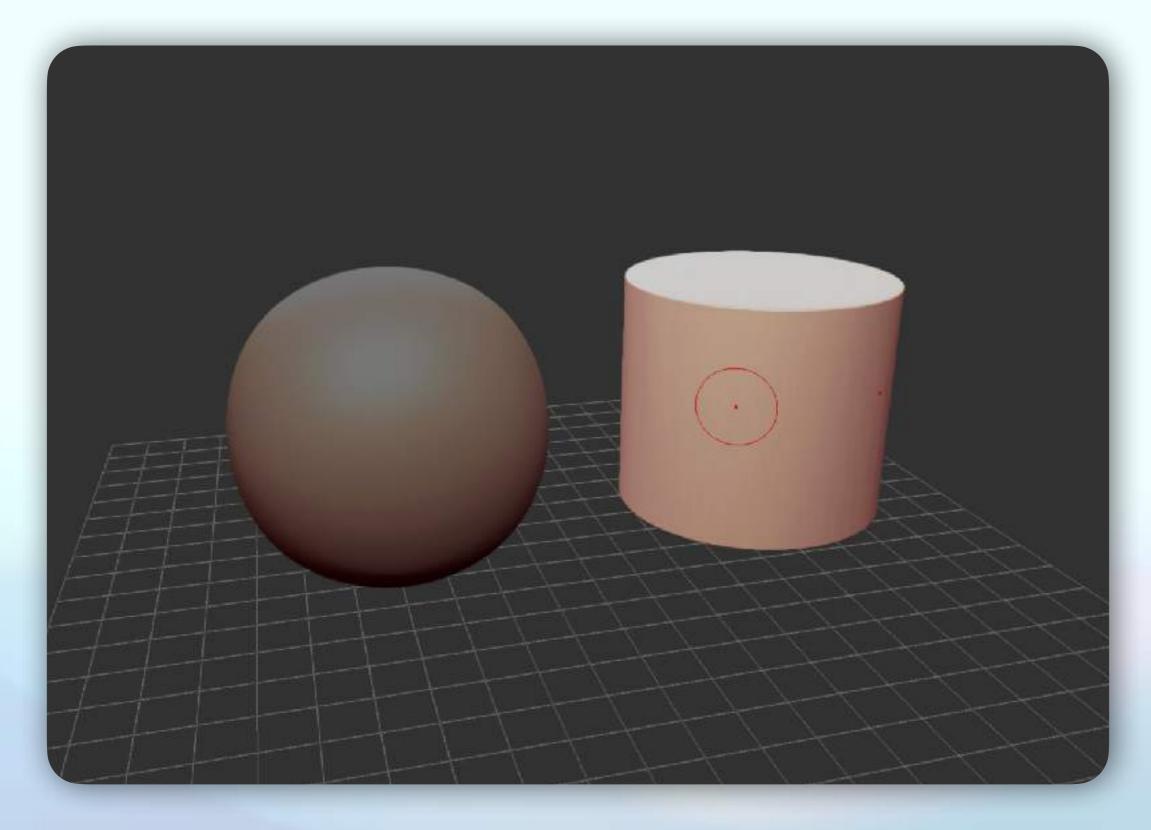
Adding new shapes



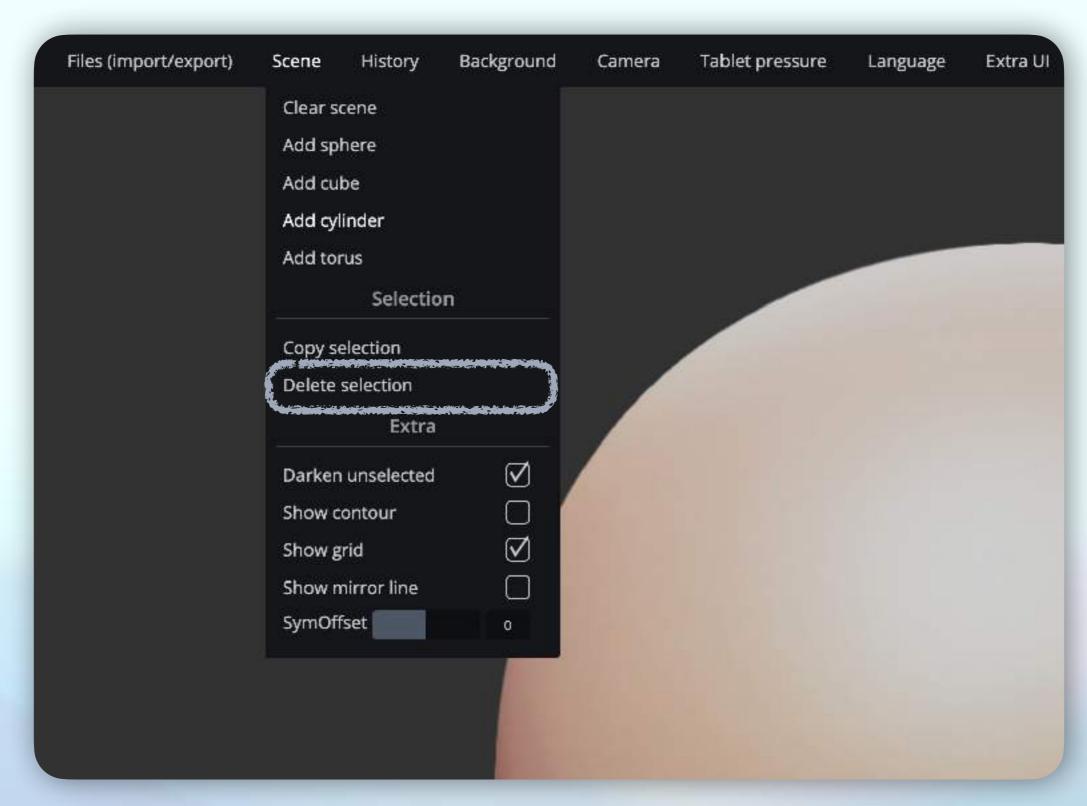
Selecting objects



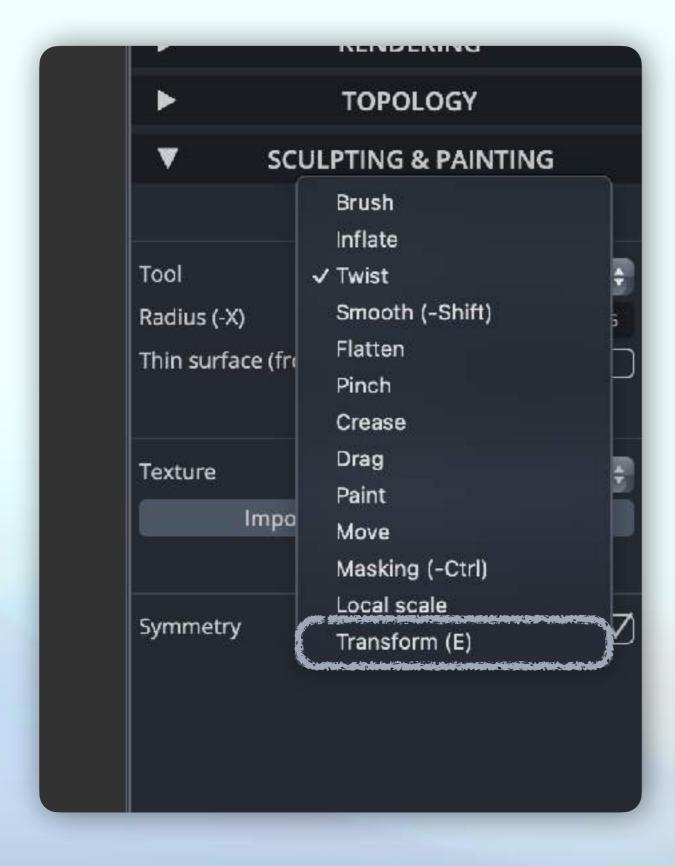
Selecting objects

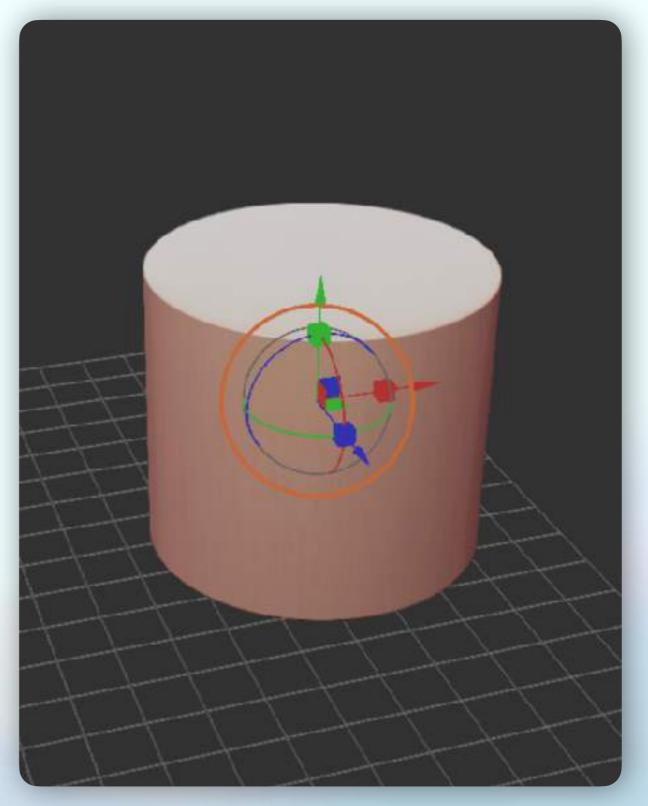


Removing objects

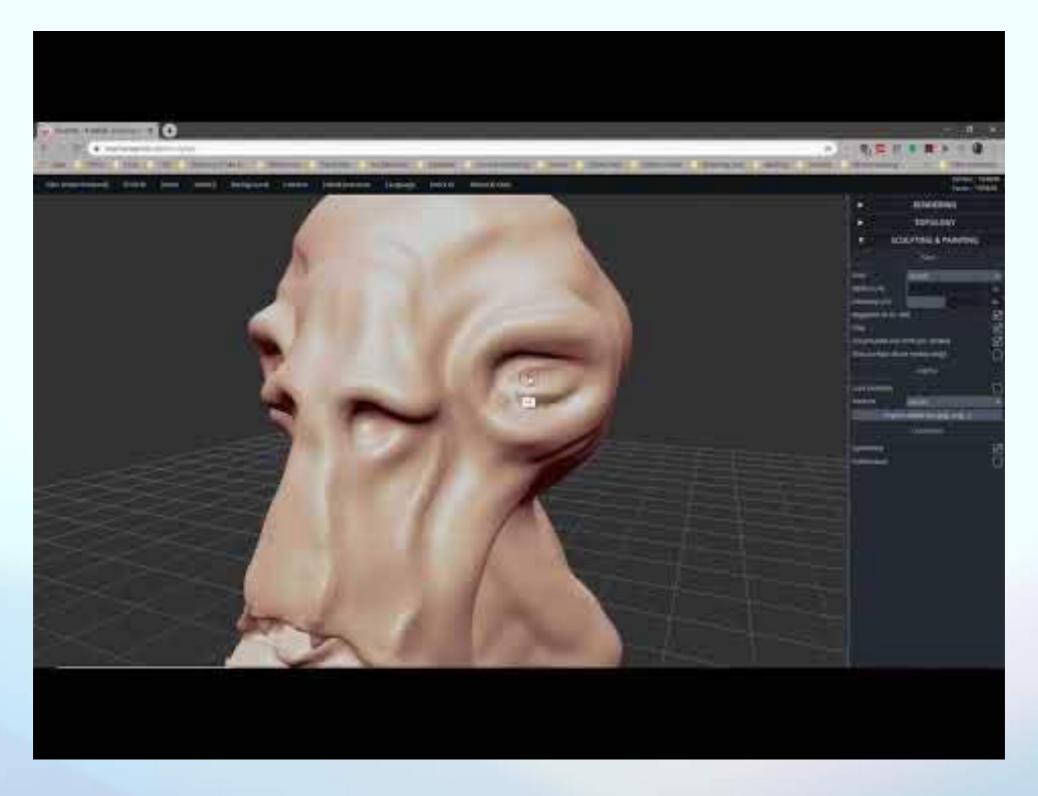


Transform tool





3D Sculpting Timelapse



https://www.youtube.com/watch?v=abJga-xZA_o

