



Intro To TinkerCad



TinkerCad

- Tutorials Step-By-Step:
<https://www.tinkercad.com/learn/project-gallery:collectionId=O2C1PXB1Q2KHCOD>



KEYBOARD SHORTCUTS

Legend: Ctrl Cmd Alt System

MOVING OBJECT(S)

(Using Keyboard)

Move along X/Y axis	/
Move along Z axis	+ /
×10 Nudge along X/Y axis	+ /
×10 Nudge along Z axis	+ + /

KEYBOARD + MOUSE SHORTCUTS

(Press and hold the keys, then click and drag the mouse)

Duplicate dragged object(s)	+ Drag left mouse button
Select multiple object(s)	+ Left mouse button
45° rotation	(Hold while rotating)
Scale in one direction	+ Hold side handle
Scale in two directions	+ Hold corner handle
Uniform scale	+ Hold corner handle
Uniform scale in all directions	+ + Corner handle
Uniform scale in all directions	+ + Top handle

VIEWING DESIGNS

(With the help of a mouse or a mouse pad)

Orbit the view	Right mouse button
Orbit the view	+ Left mouse button
Pan the view	+ Right mouse button
Pan the view	+ + Left button
Zoom the view in or out	Mouse scroll wheel
Zoom-in	
Zoom-out	
Fit selected object(s) into view	

OBJECT SETTINGS

Transparency toggle	
Turn object(s) into Holes	
Turn object(s) Into Solids	
Lock or Unlock object(s)	+
Hide object(s)	+
Show all hidden object(s)	+ +

TOOLS AND COMMANDS

Copy object(s)	+
Paste object(s)	+
Duplicate object(s) in place.	+
Delete object(s)	
Undo action(s)	+
Redo action(s)	+
Redo action(s)	+ +
Group object(s)	+
Un-group object(s)	+ +
Align object(s)	
Flip/Mirror objects(s)	
Select all object(s)	+
Place a Ruler	(toggle midpoint/center)
Place a Workplane	(press to flip direction)
Drop object(s) to workplane	



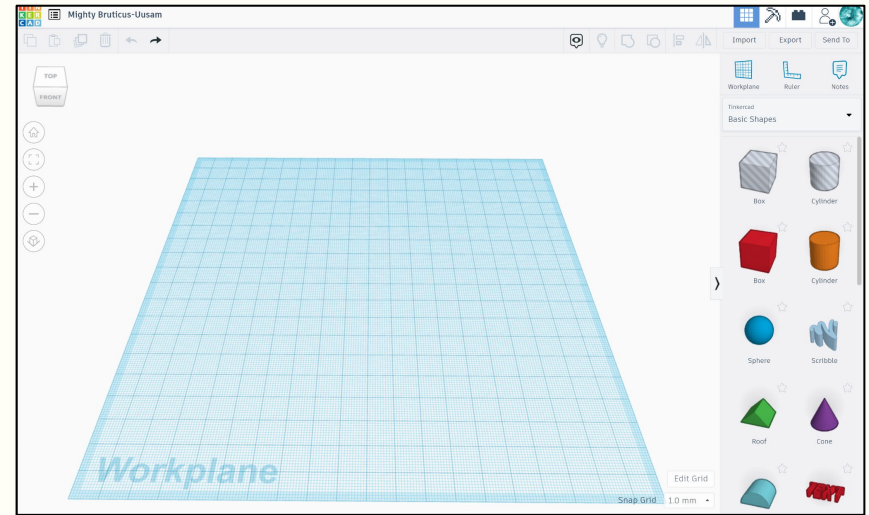
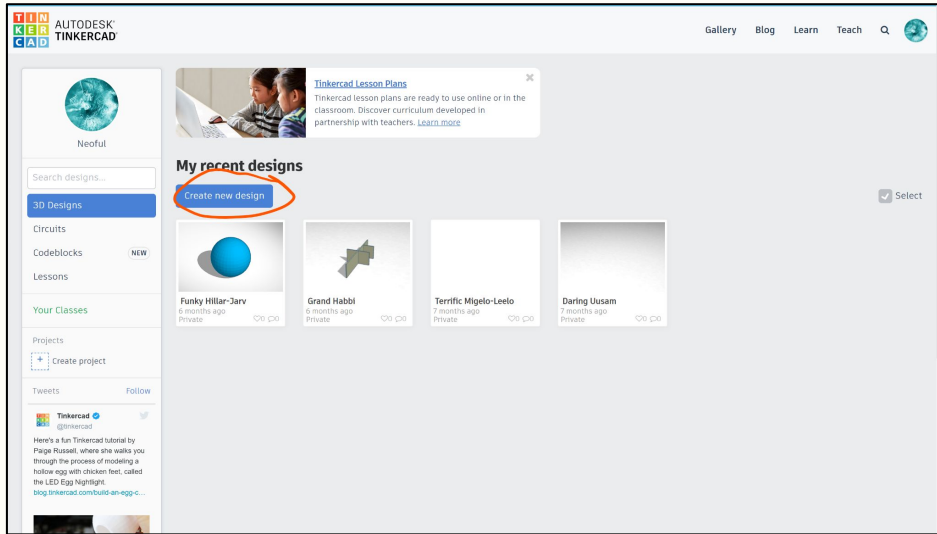
Visit www.tinkercad.com/learn for more tips, step-by-step tutorials, and easy projects. Happy Tinkering!



TinkerCad



- 1) Create an account
- 2) Home page



Move Camera:

View around the plane:

Right click + move mouse
(in opposite directions you
want to view)



Move Camera:

2D view plane:

hold scroll + move mouse
(in opposite directions you
want to view)





Copy duplicate & repeat



<- Click to view side of plane



Home View



Fit all in view



Zoom in



Zoom out



Switch to flat view (Orthographic)

toggle note visibility

Group

Align

Mirror

Import

Export

Send To



Workplane



Ruler



Notes

Tinkercad

Basic Shapes

TINKERCAD

Basic Shapes

Text and numbers

Characters

Connectors

OMSI hangout space

Making at home

Shape Library BETA

SHAPE GENERATORS

Featured

All

CIRCUITS

Assemblies

Components

PRINTABLES

Smithsonian

Dinosaur

Skeleton

YOU

Favorites

Shapes Collection

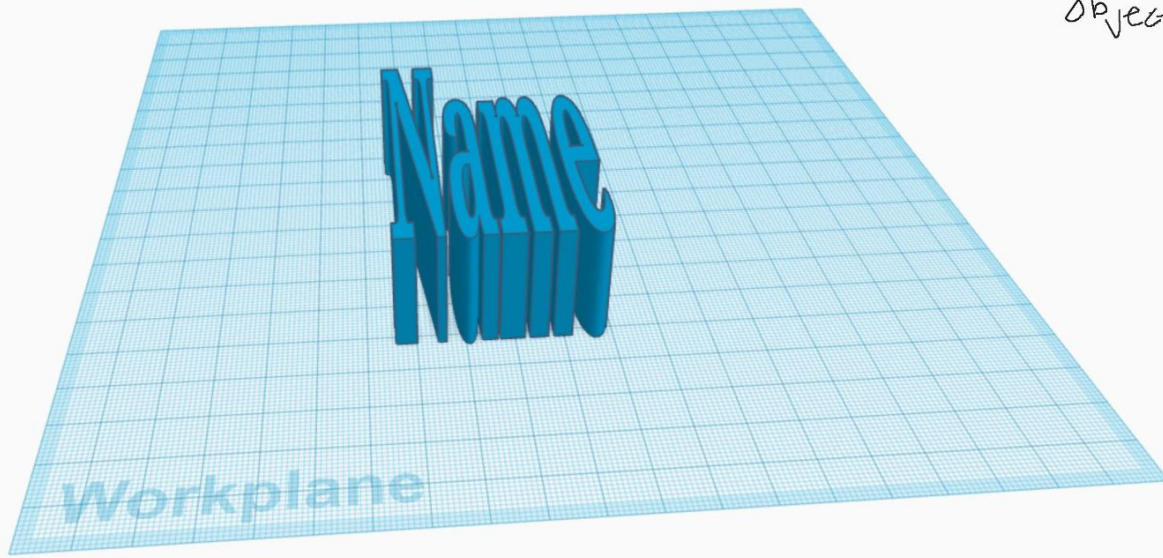


Paraboloid



Torus

Add Objects



Workplane

Edit Grid

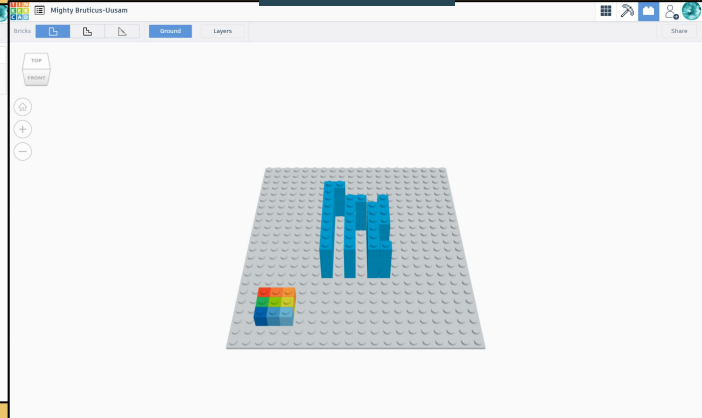
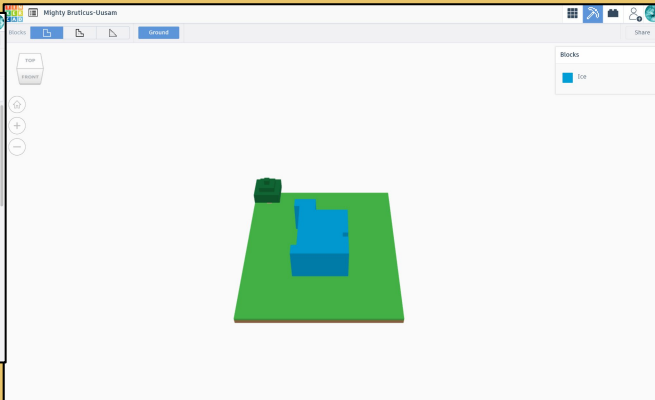
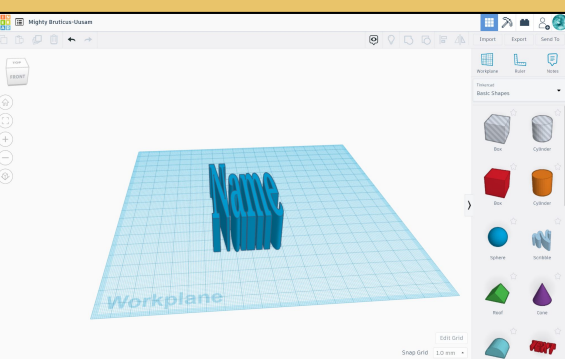
Snap Grid

1.0 mm

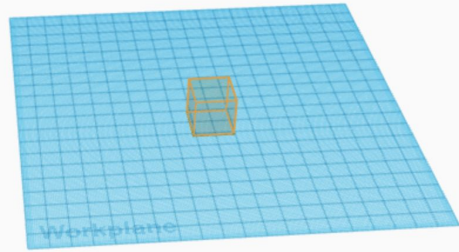
3D Mode

Block Mode

Brick Mode



3) Click hover mouse over wanted location -> left-click



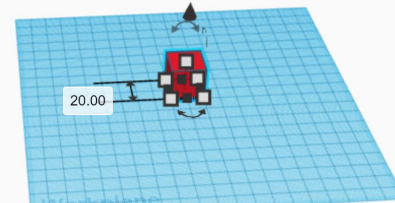
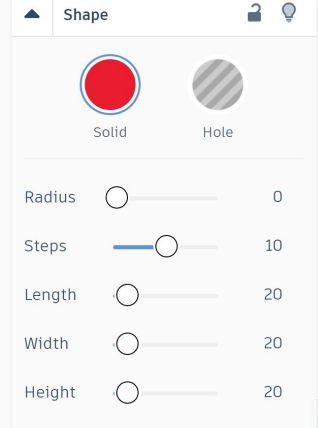
Box



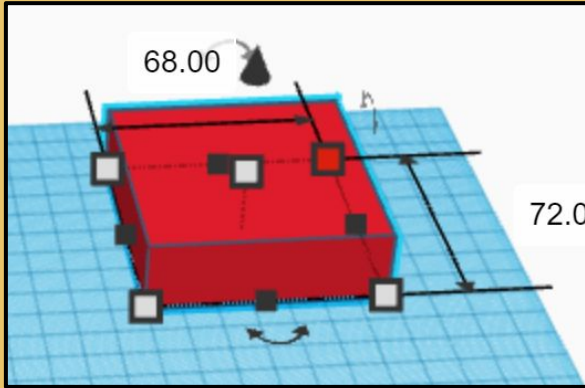
Box



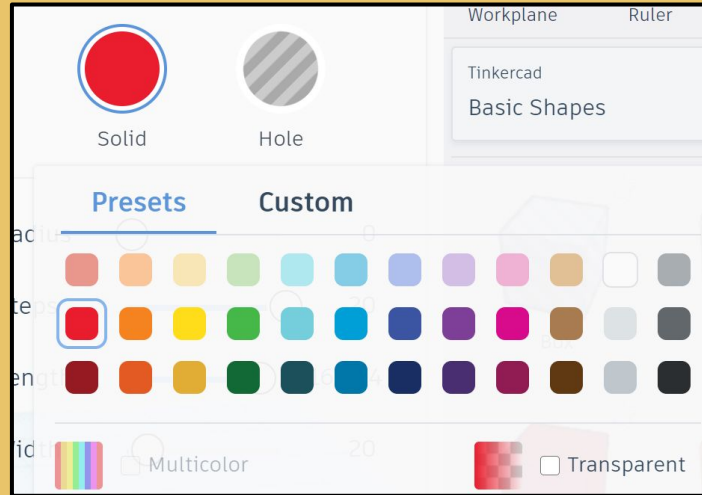
Sphere



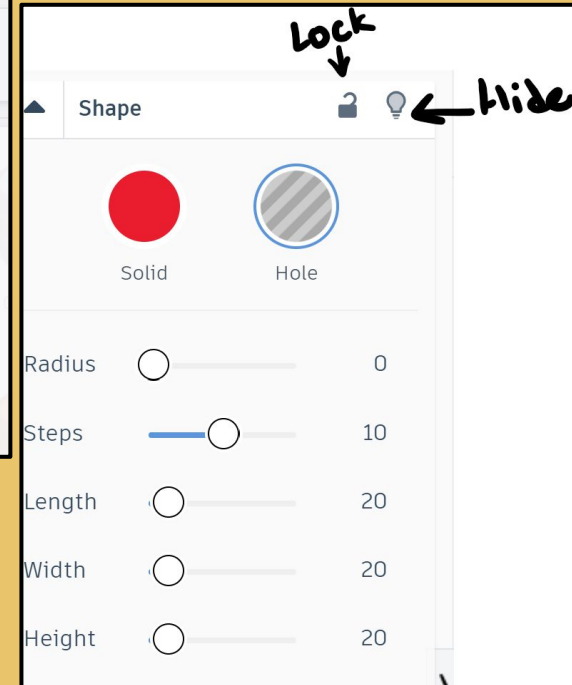
4) Expand: click on white square
-> move mouse to size it



5) Click the color above solid = change color

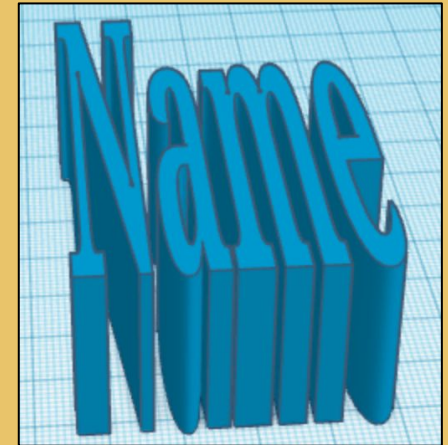
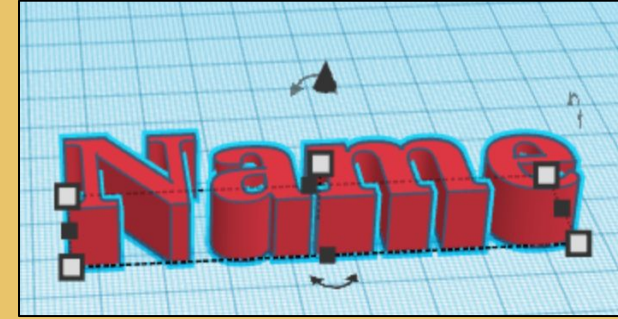
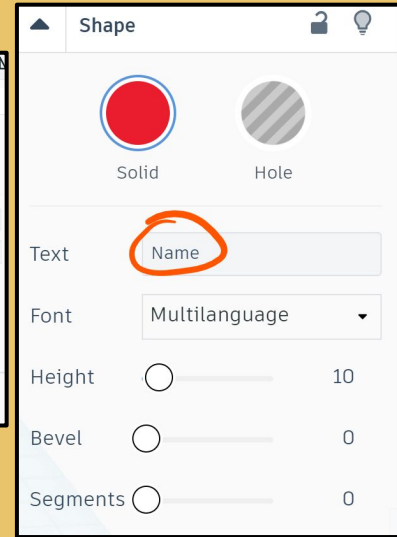
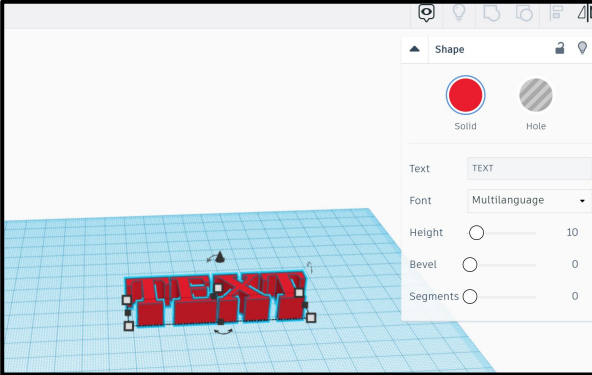
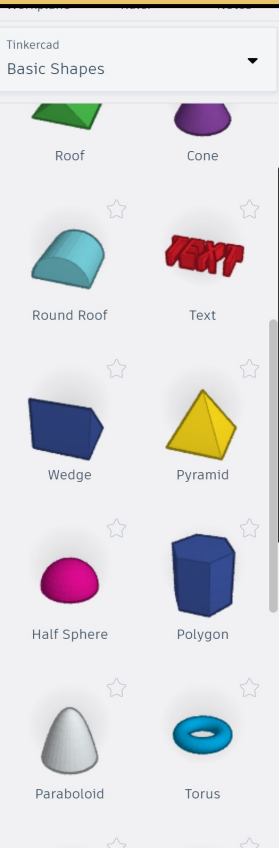


5) Edit shape: adjust to your preference



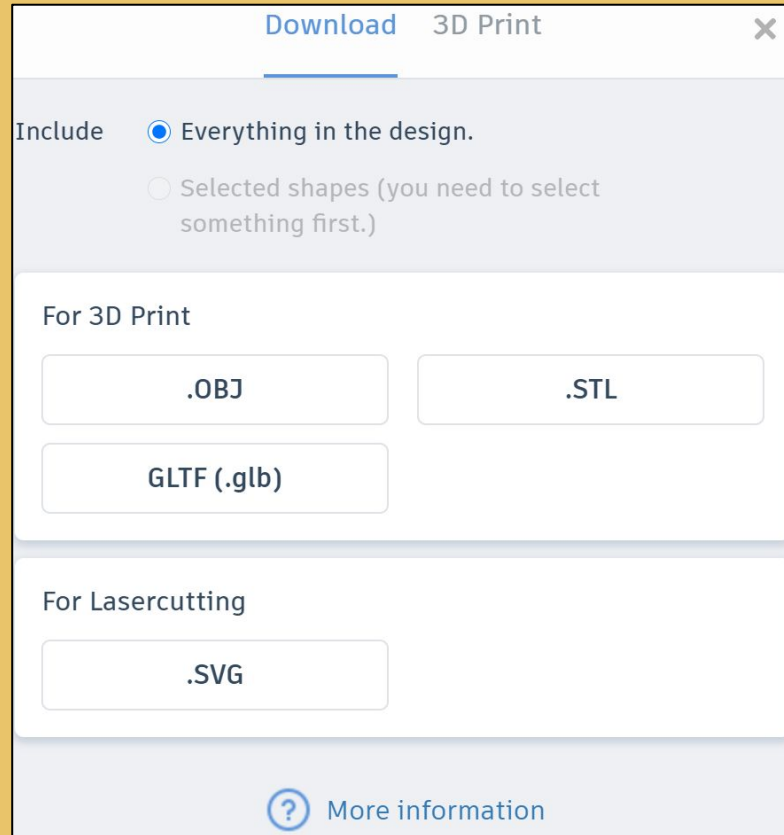
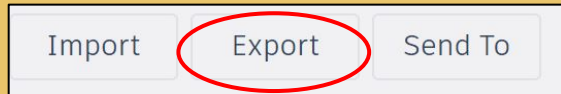
To Create Name Tag:

- 1) Scroll then select text -> place on plane -> change text to your name -> adjust to your preference (color, height, etc)



Export:

2) (Top right) -> click export -> select your preference -> name file & select your file





THANK YOU

