

The logo for AlbertaSat features a stylized satellite or orbital path. It consists of two white elliptical orbits that intersect at two points, forming a figure-eight shape. A green line, representing a satellite or a specific orbital path, is overlaid on the white orbits, starting from the bottom left and curving upwards and to the right.

AlbertaSat

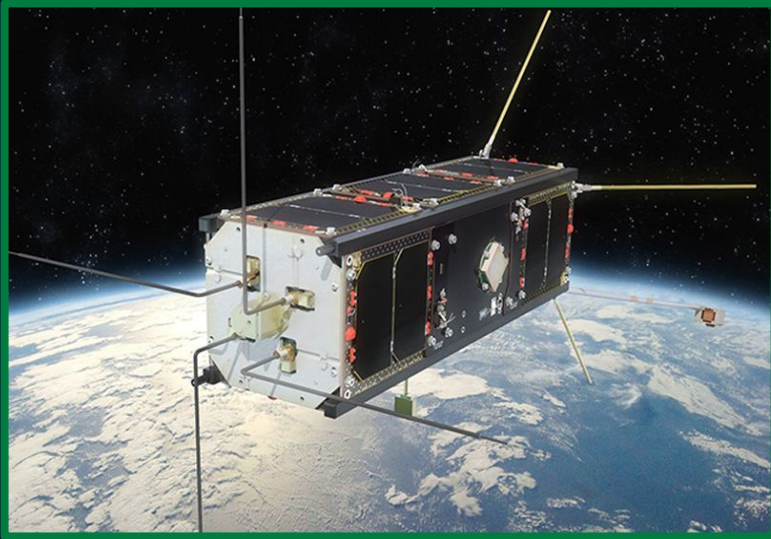


We are a student group who builds satellites

Ex-Alta 1



Ex-Altas 1: the space weather satellite

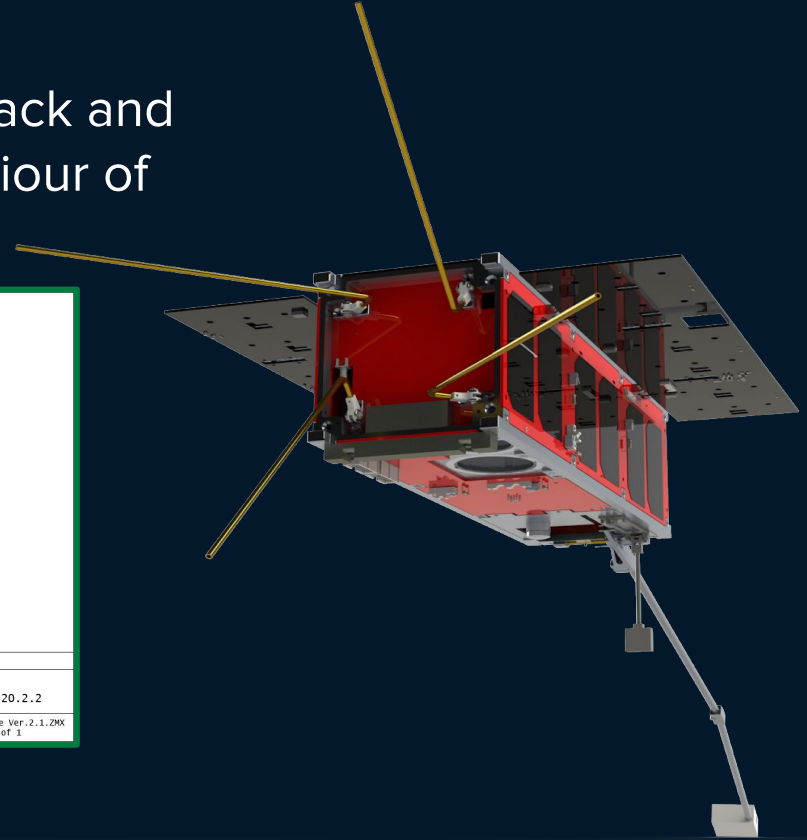
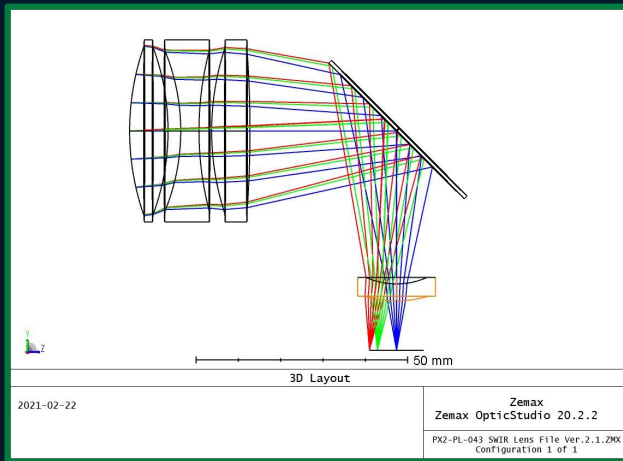
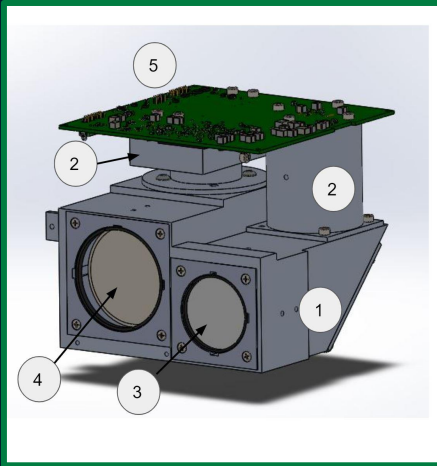


The scientific purpose of Ex-Altas 1 was to monitor space weather.



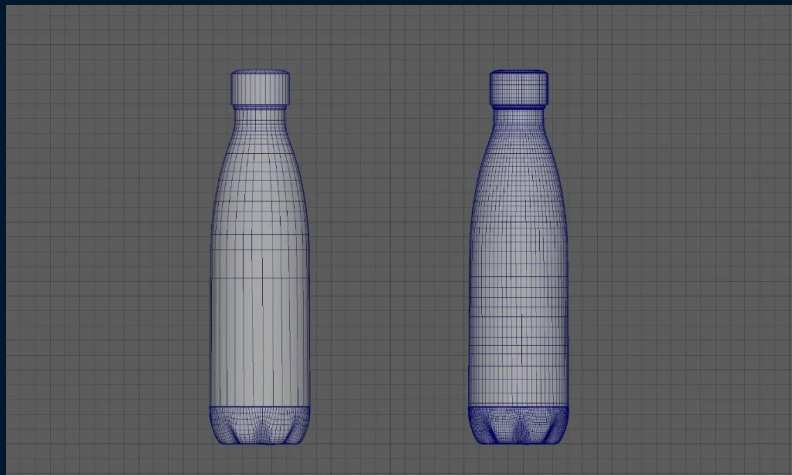
Ex-Alta 2: the wildfire camera

The scientific purpose of Ex-Alta 2 is to track and assess wildfires, and to predict the behaviour of future wildfires.

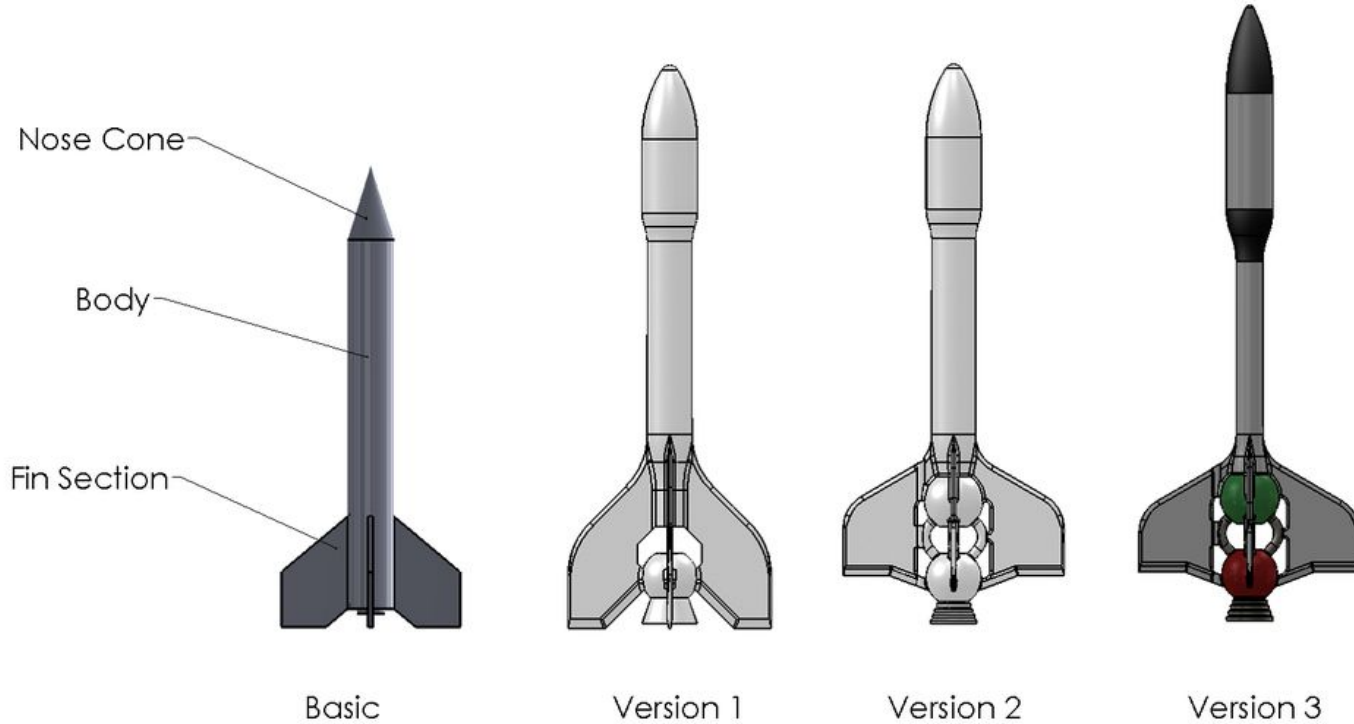


Why learn 3D Modelling?

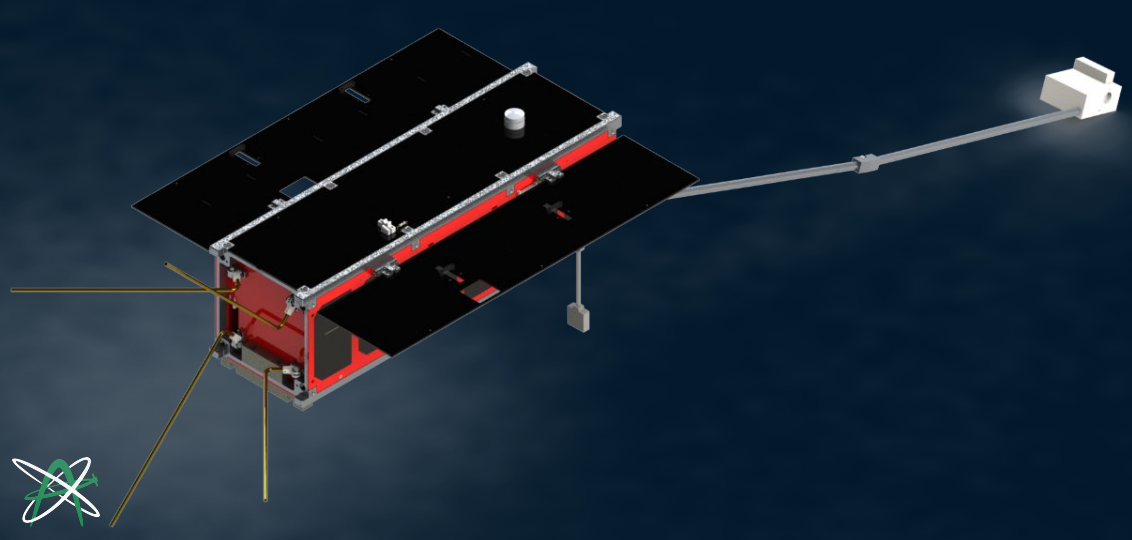
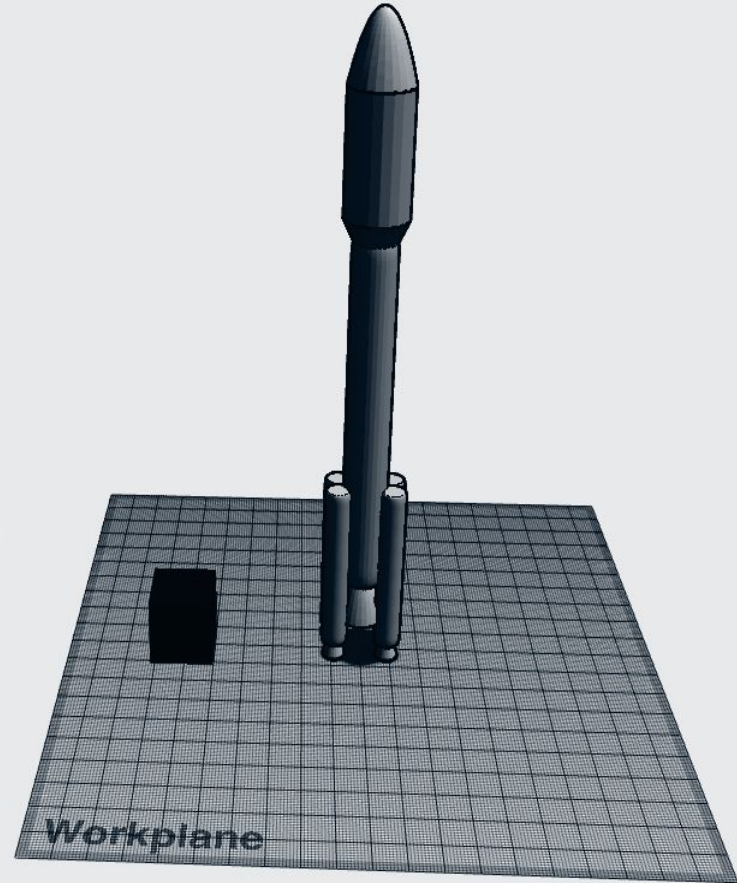
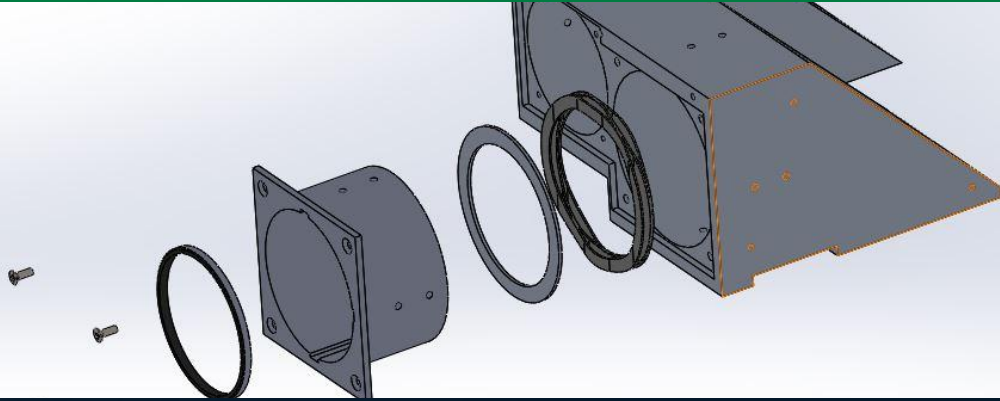
3D Modelling helps us turn an idea into a reality.



Creation in iterations



3D modelling with AlbertaSat

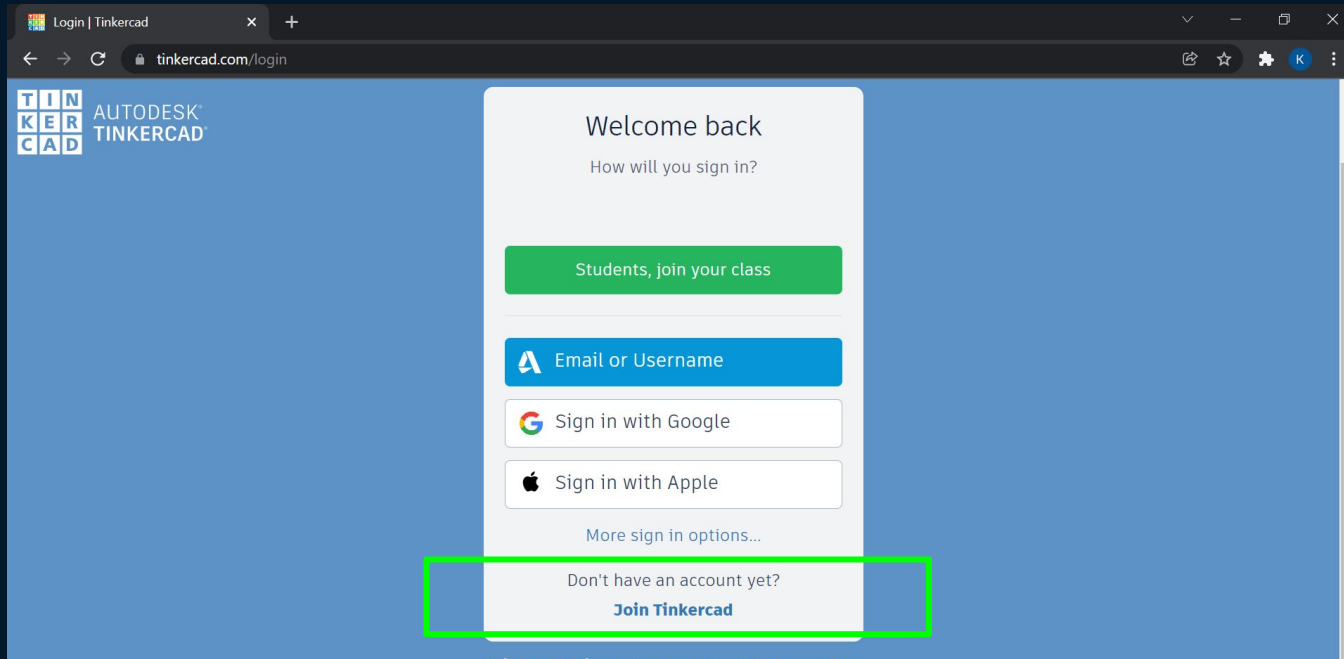


Atlas V Rocket



3D modelling using TinkerCAD

Go to: <https://www.tinkercad.com/login>



Create your account

Create a **personal account** and sign in with Google if you can

Start Tinkering

How will you use Tinkercad?

In school?

Educators start here

Students, join a Class

On your own

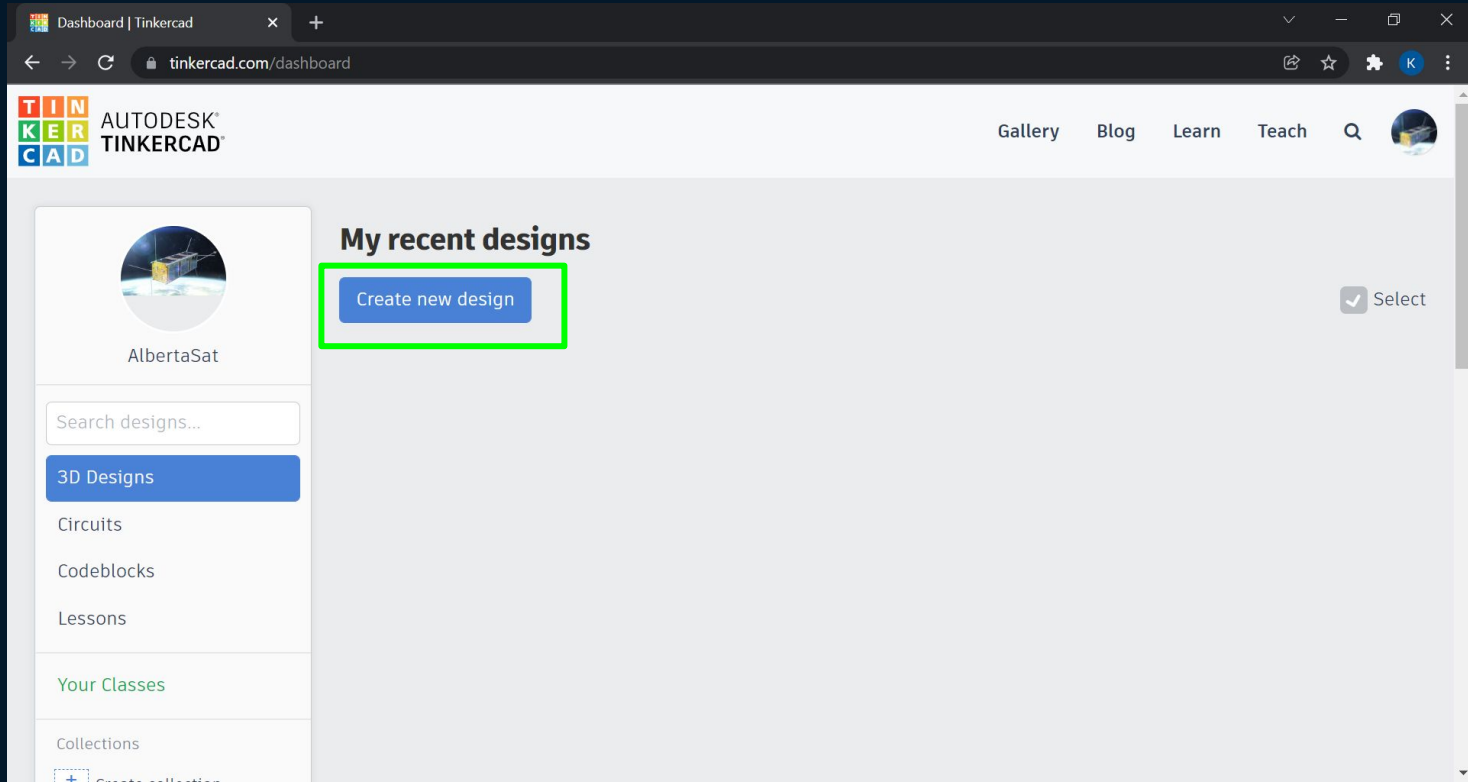
Create a personal account

Already have an account?

[Sign In](#)



Your screen should look like this

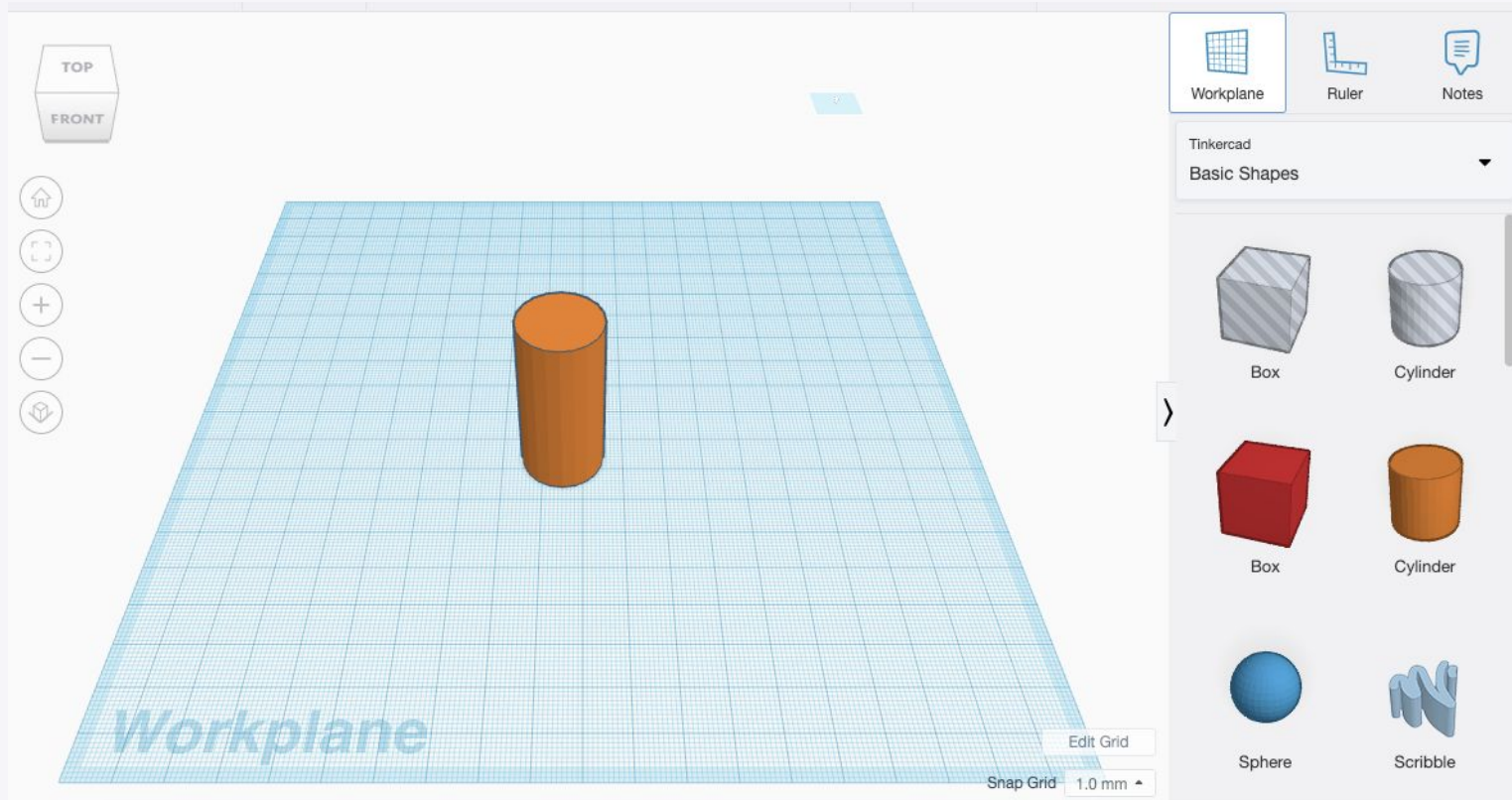




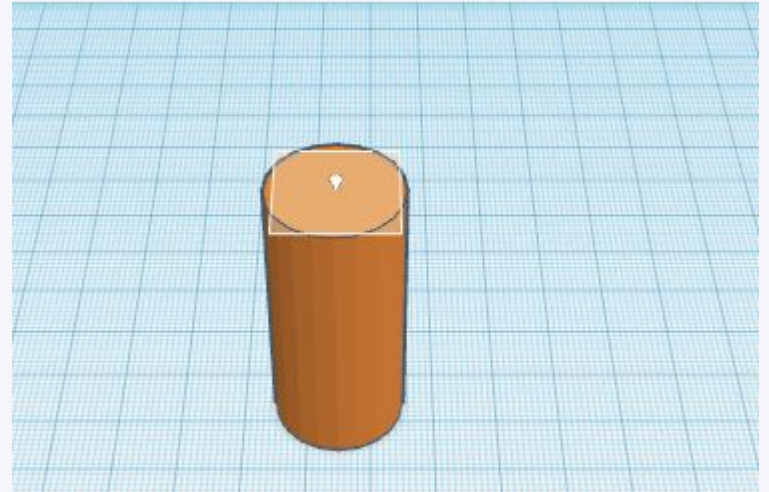
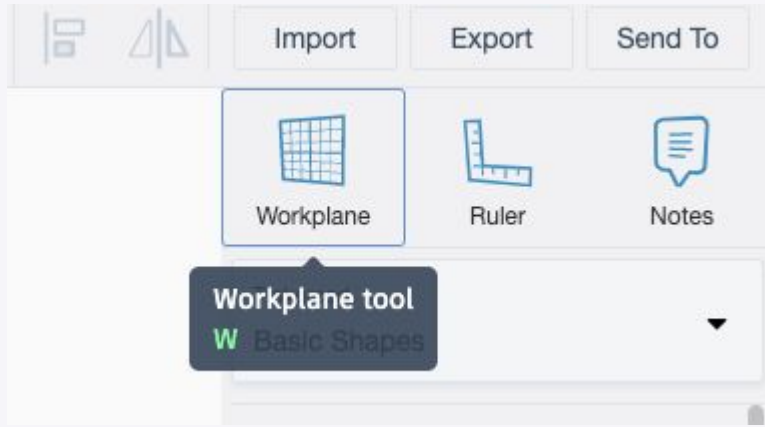
BASIC FEATURES



Make a cylinder



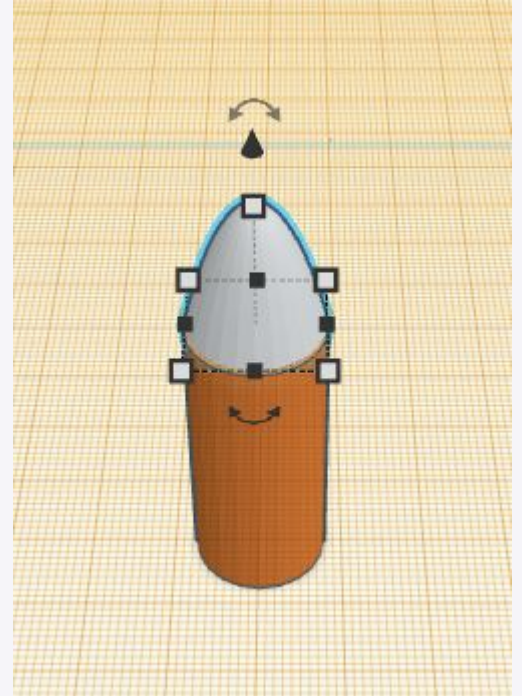
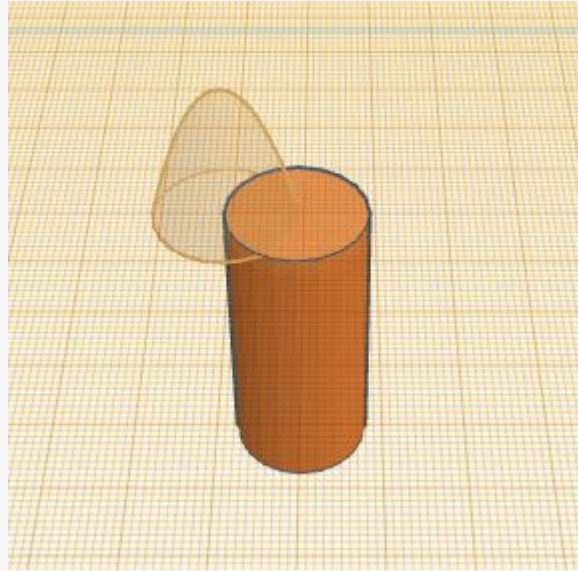
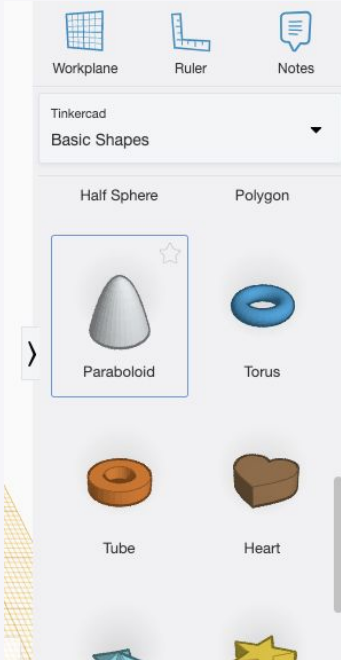
Making the nose cone



Move blue plane to the top of the cylinder

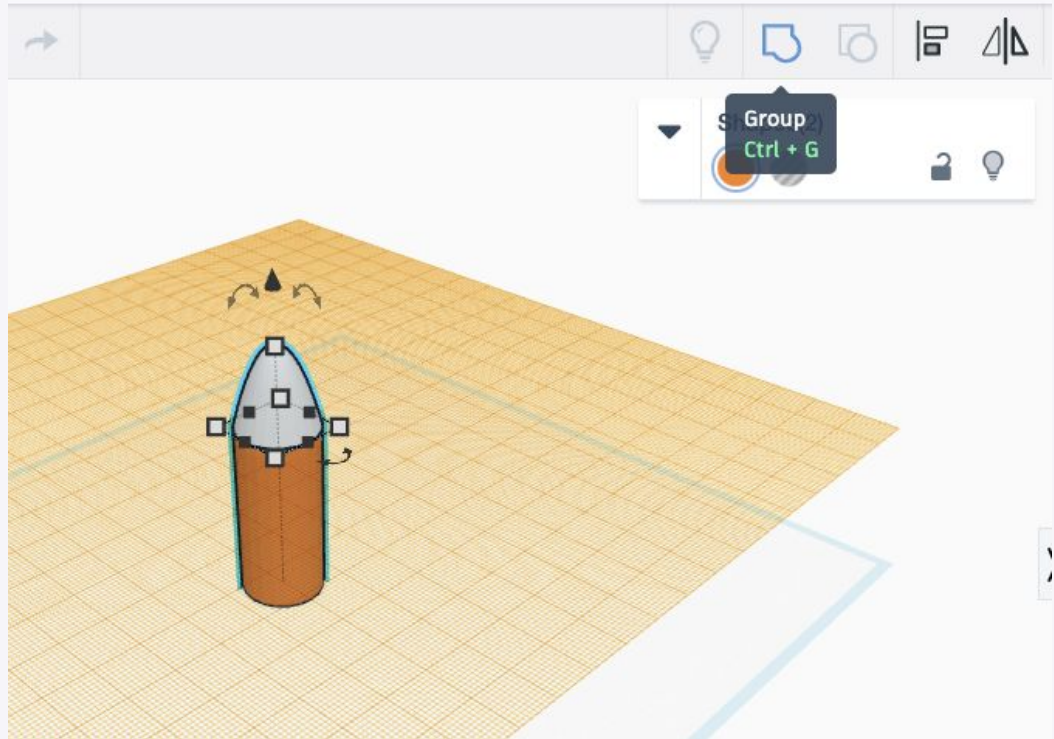
Select the top of the cylinder as your new work plane

Put the nose cone on



Combine the 2 shapes together by grouping

(if you don't want the parts to move)



Revolve

Import Export Share

Workplane Ruler

Community
Featured Shape Generators

SVG Revolver

Solid Hole

Sketch Height 5

Inside Diameter 10

Number Of Sides 24

Sketch Rotation 0

Revolve Angle 300

Picture
Incredible Tumelo (1).svg

Or choose one

Accepts *.svg under 50 KB for best results

Pixels from array by [this tinkerer](#)

Extruded curve by [this tinkerer](#)

SVG Revolver by [this tinkerer](#)

Flower by [this tinkerer](#)

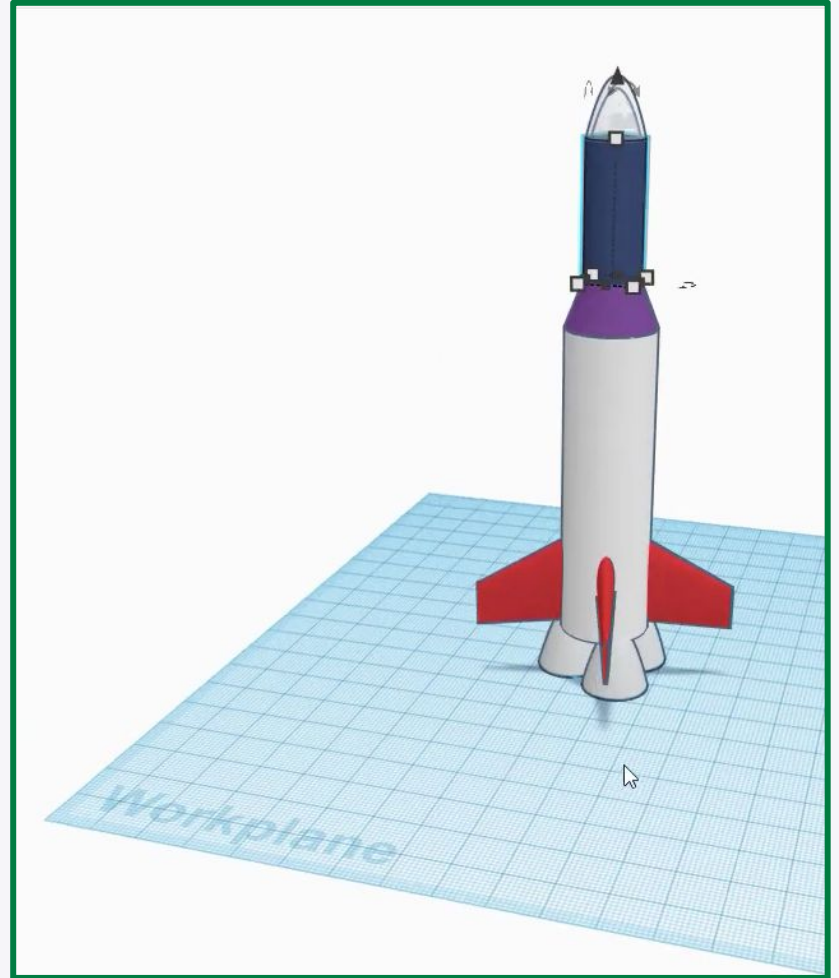
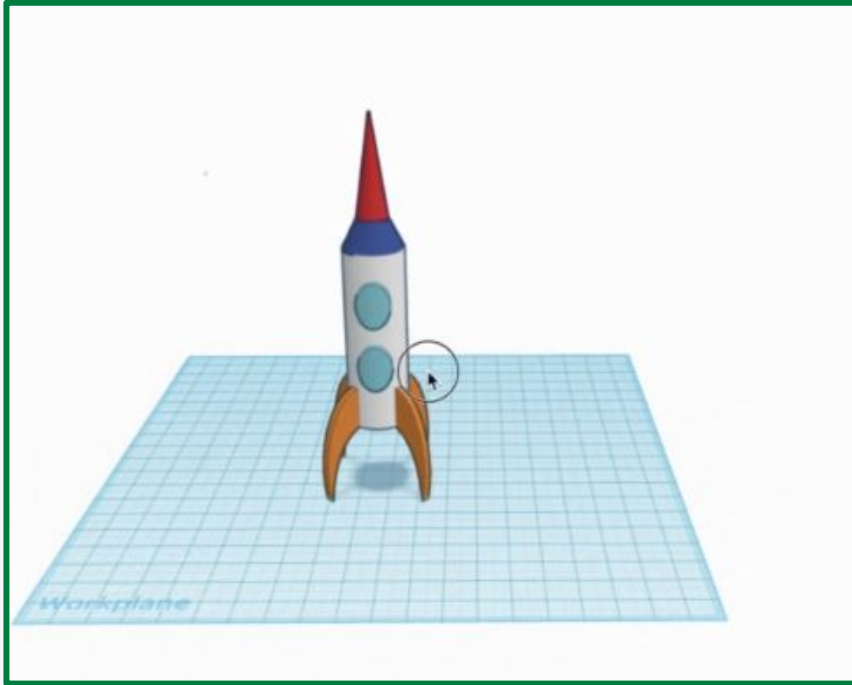
Snap and Socket by [this tinkerer](#)

Box and Lid by [this tinkerer](#)

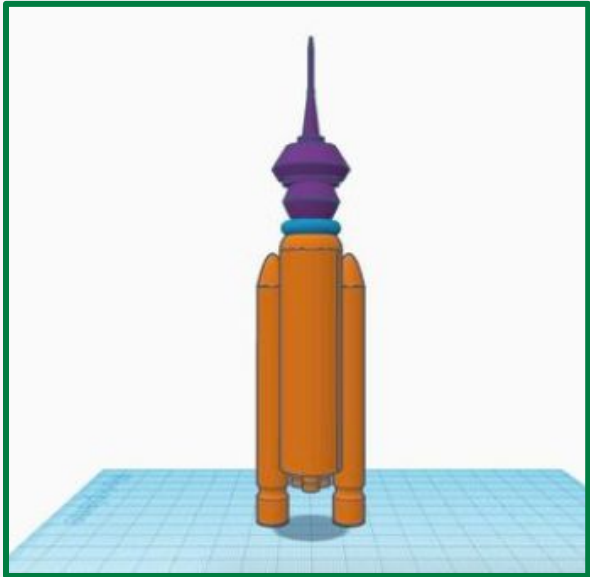
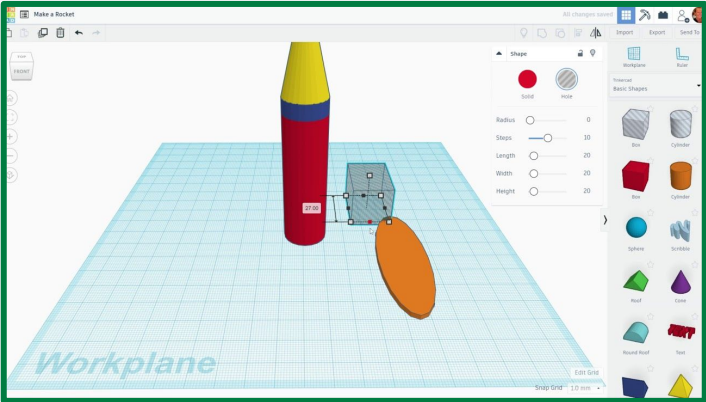
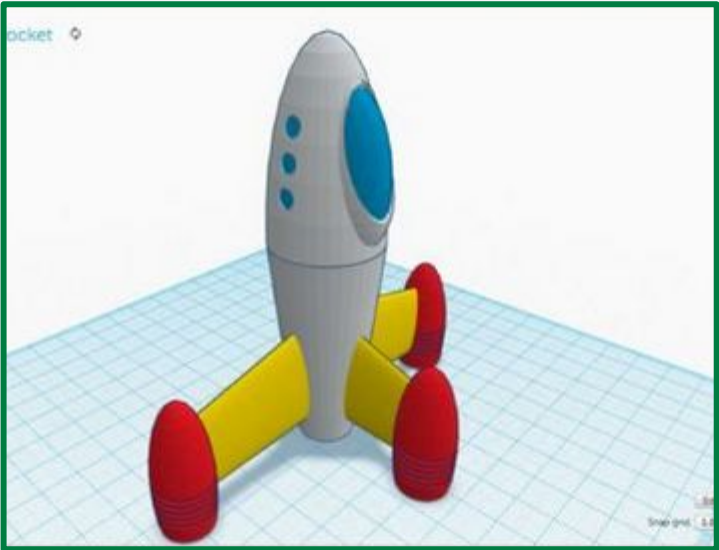
Extrusion by [Tinkercad - P...](#)

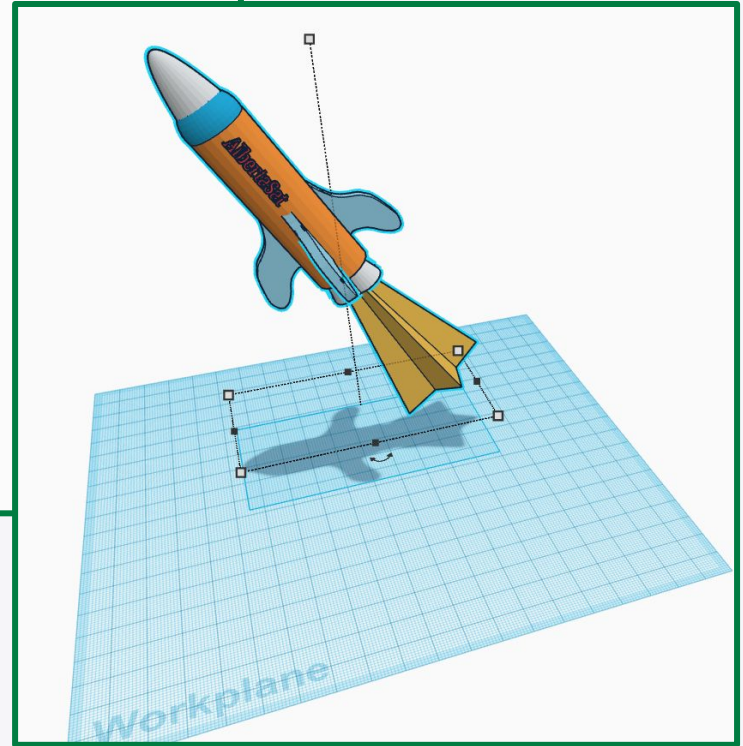
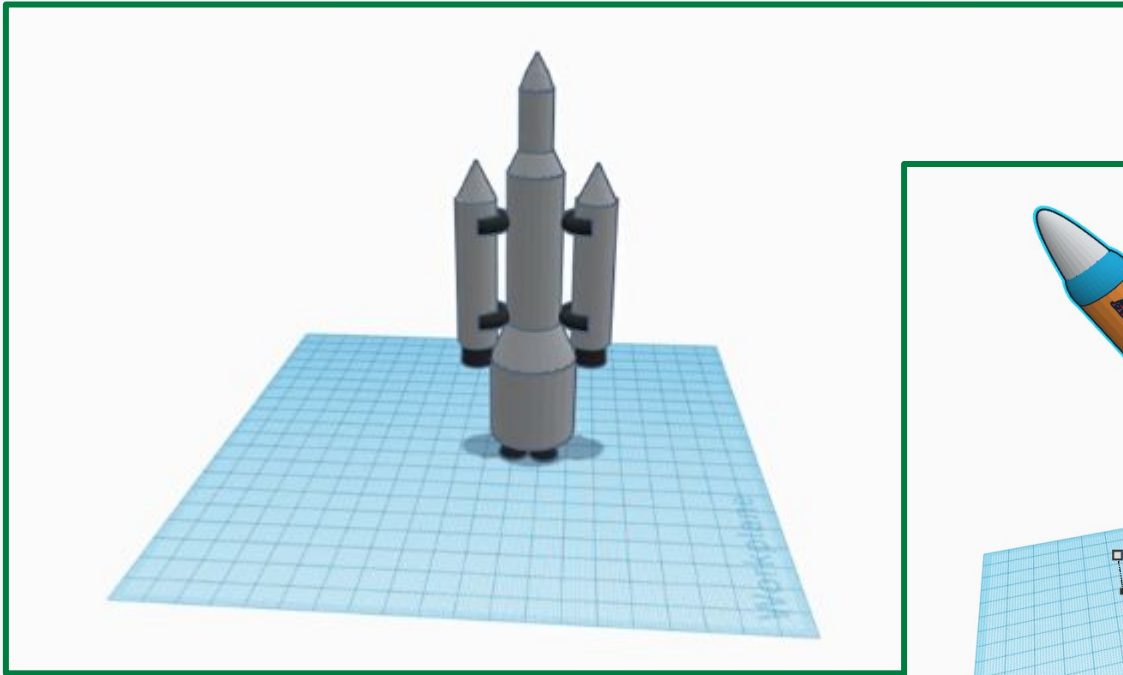
Voroni by [Tinkercad - P...](#)

Keep combining
shapes



Be creative!





Be creative!