

Parthenon Project.



Description

The Athens' Parthenon is the most iconic Greek monument and one of the most important in the ancient Greece.

It was built between 447 b.C and 432 b.C in the acropolis.

In 1987 it was declared a UNESCO World Heritage Site along with all the monuments placed in the acropolis, this is why it is one of the most visited monuments in the Greek culture.

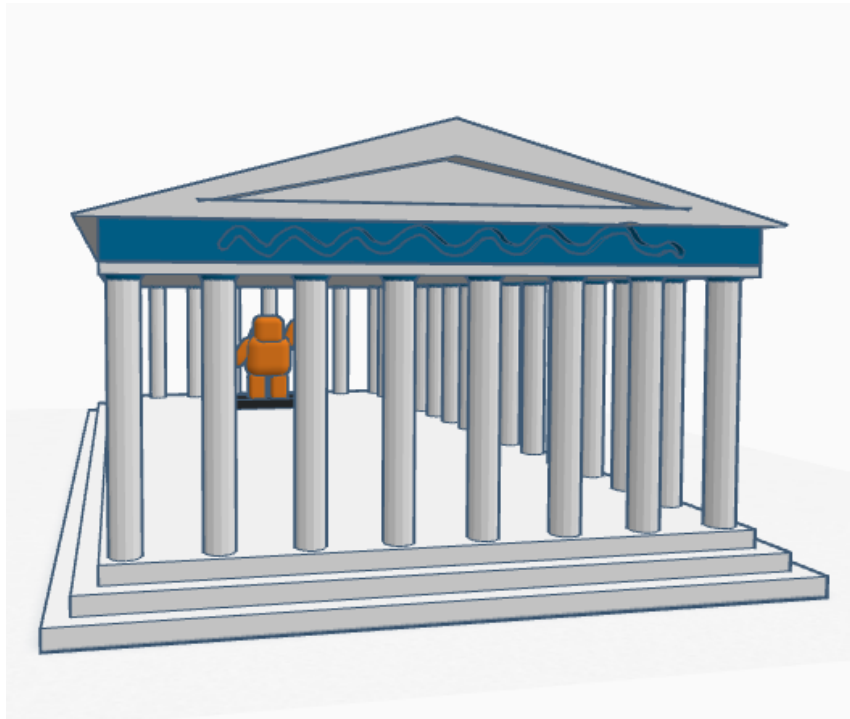
This building has survived the test of time, fire and even powder's keg, thanks to the people in charge of its conservation we can still enjoy this monument nowadays.

In this task we are going to rebuild this important monument using 3D shaping.

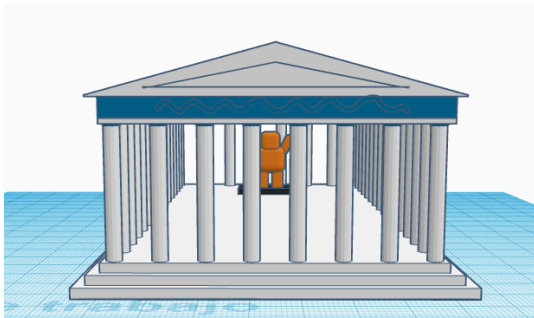
Goals.

- Strengthen the use of alignment tools, rule and group of Tinkercad.
- Master the use and modifications of basic shapes.
- Create a 3D Parthenon model and give it a personal touch.

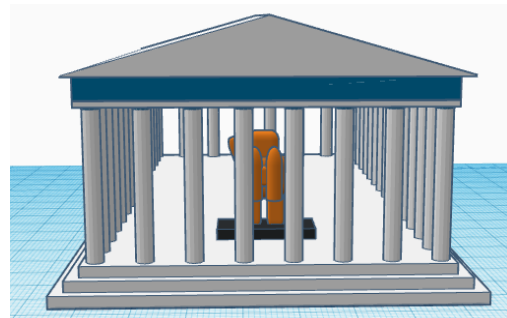
Reference model designed with Tinkercad.



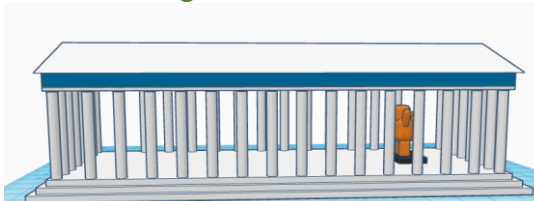
Frontal view



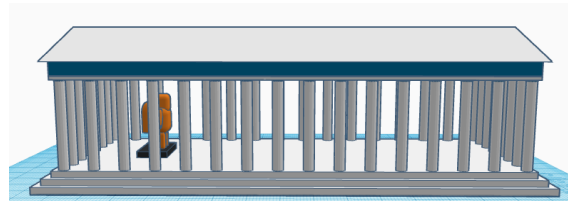
Rear view



Right lateral view



Left lateral view



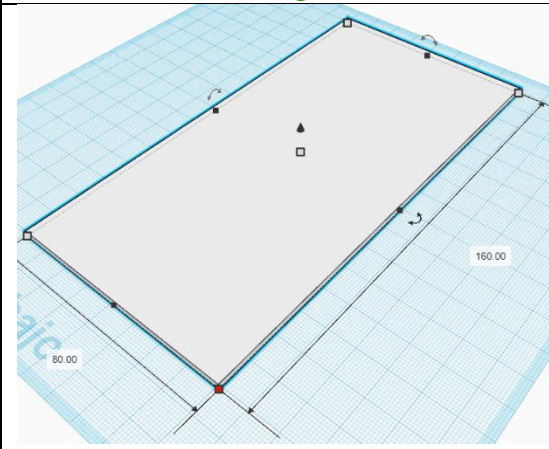
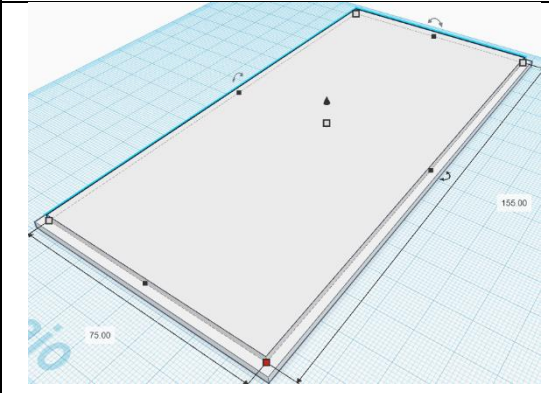
Model features.

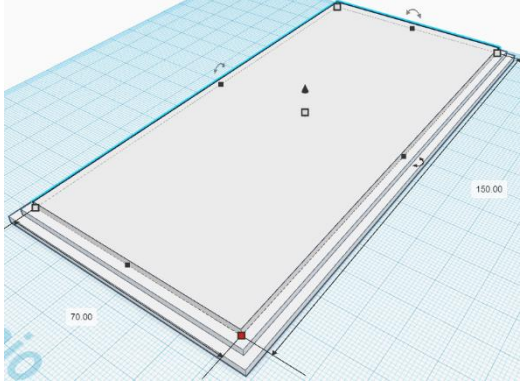
This structure has been designed using only basic shapes in Tinkercad, we can also use at the end another kind of 3D objects we find in the menu.

This project is divided in 4 parts:

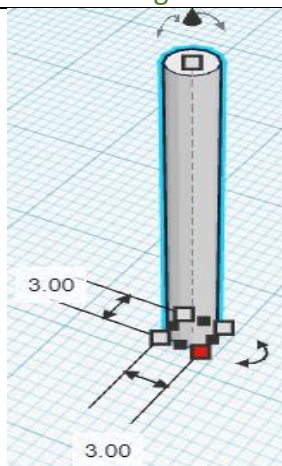
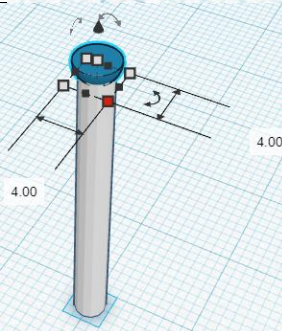
- Stands and pantheon base.
- Creation of the pillars and its attachment over the base.
- Creation of the upper elements and the roof.
- Free decoration.

Stands and base:

3D object	Size	Image
Box	160mm long x 80mm wide x 2mm high.	
Box	155mm long x 75mm wide x 2mm high .	

Box	150mm long x 70mm wide x 2mm high.	
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Pillars

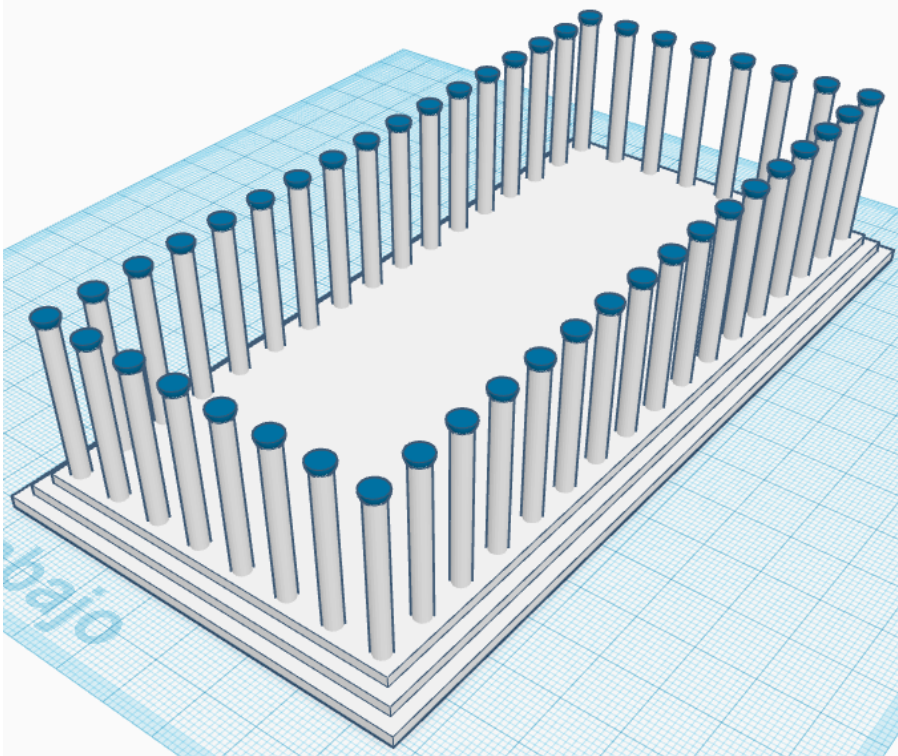
3D object	Size	Image
Cylinder	3mm diameter x 30mm high.	
Half sphere	4mm long x 4mm wide x 2mm high	

The Parthenon has 46 pillars, with the following structure:

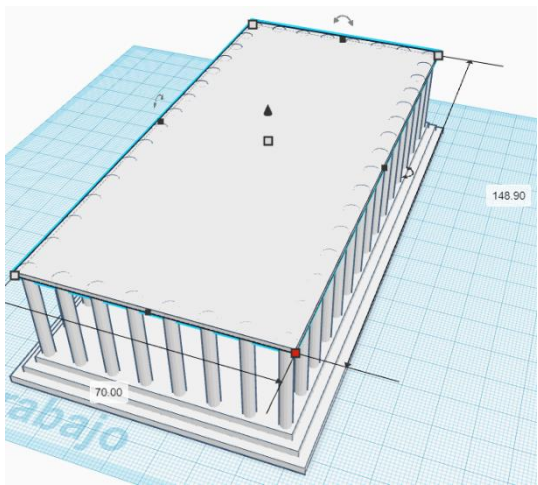
- 8 pillars in its front side and 8 in rear side.
- 17 pillars in both sides.

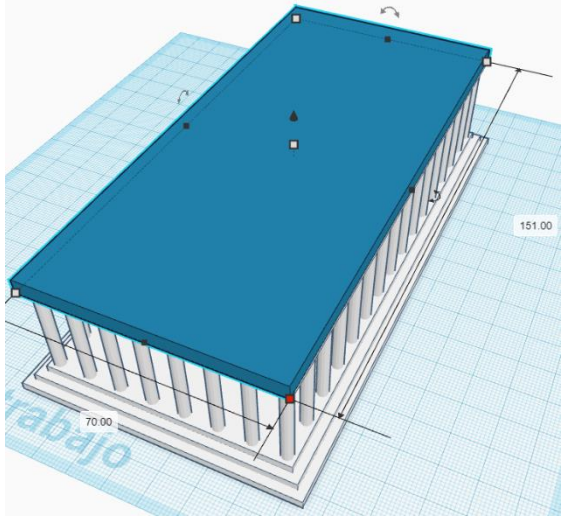
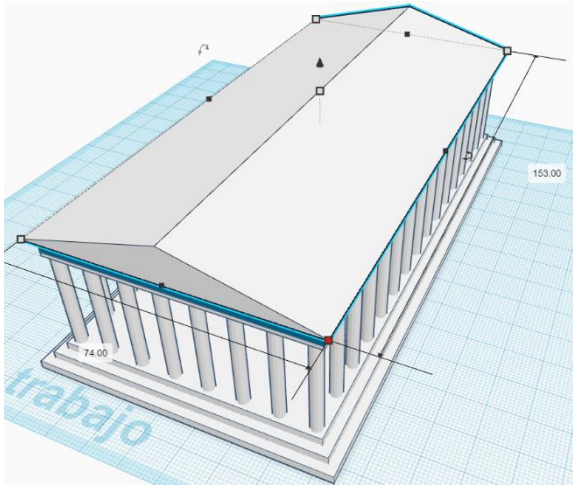
In our structure we put 9mm distance between them, so we can get the 46 pillars.

Pillars placement.



Upper elements and roof.

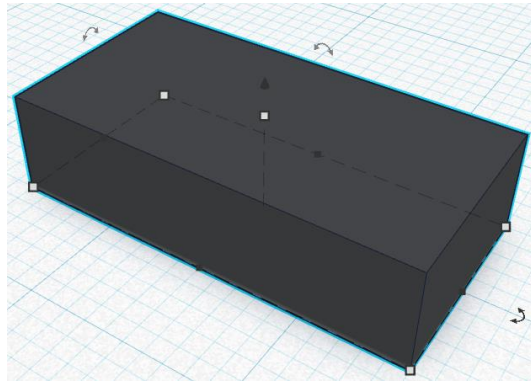
3D object	Size	Image
Box	150mm long x 70mm wide x 1mm high	

Box	145mm long x 65mm wide x 4mm high	
Roof	155mm long x 75mm wide x 10mm high	

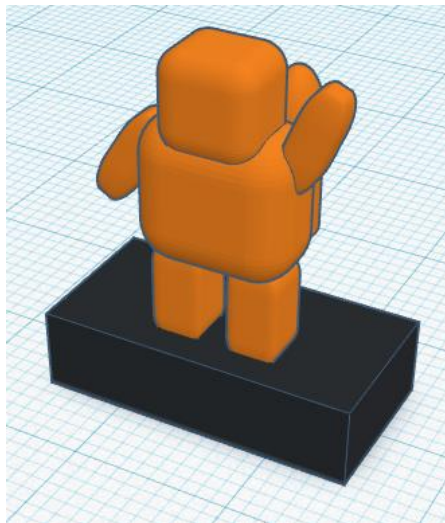
Free decoration

In the reference model we have created a statue which represents the real Athena statue inside the temple, we use the following elements:

- Box basic shape.



- Astrobot, placed in characters' section.



We have used the basic Scribble shapes tool for all the small details located on the frieze, this allows us to create 3D drawings on the working plane.

