

Predjama Castle Project



Description

The Predjama Castle is located at the southeast of Slovenia, 9km far from the city of Pstojna. It was built at the entrance to a cave in front of a 123 meters high cliff, what gave this castle a privileged advantage position against the enemies.

Built in the XVI century, it was not the first construction made inside this spectacular cave, based on remains of previous constructions dated from the XIII century.

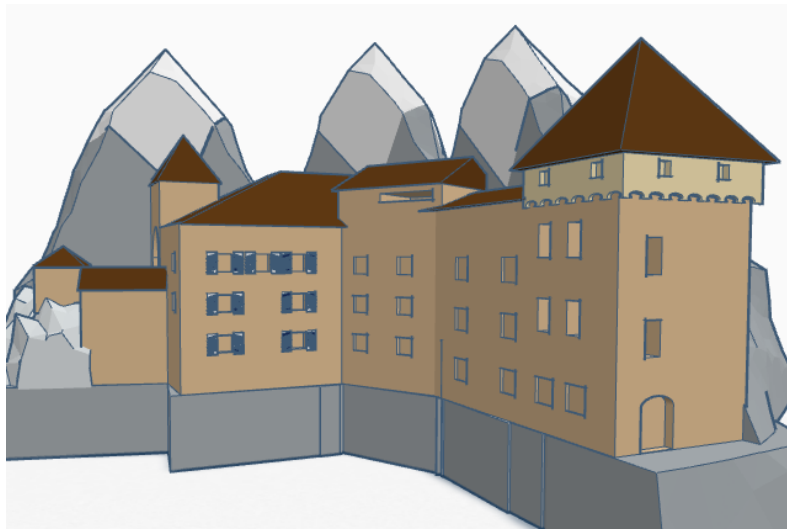
Considered as the biggest castle inside a cave of the world, by the Guinness World Records association, it has been a source of inspiration for many writers or filmmakers, not only for its mimicry with the natural environment that surrounds it, but also for the stories of people who lived there in the past. One of these legends is related to the knight Erasmo Lueger, known as the Slovenian Robin Hood, who made this castle his own den.

In this activity we are going to shape the Predjama Castle and the natural environment that surrounds it.

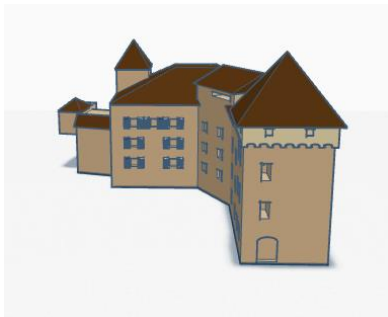
Objectives

- Learn how to scale objects depending on its orientation.
- Use the working plane to shape easily with different perspectives
- Use every kind of shapes to detail the castle and the landscape

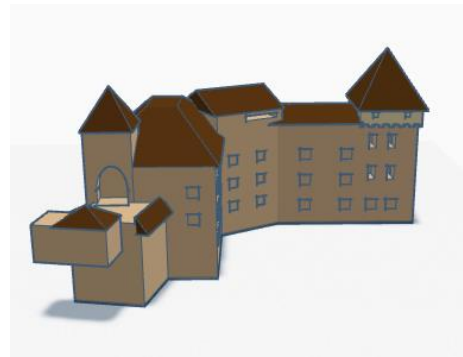
Reference model designed in Tinkercad



Frontal view

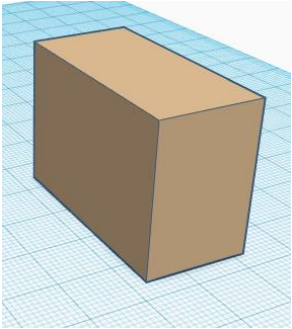
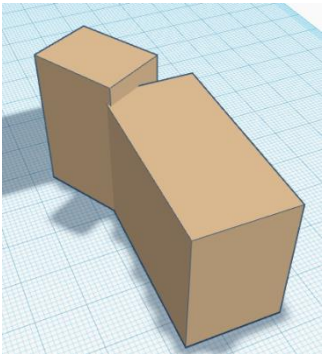
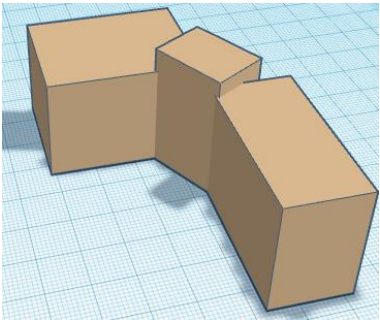
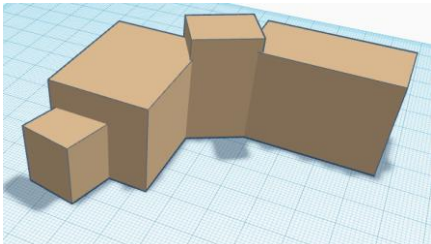


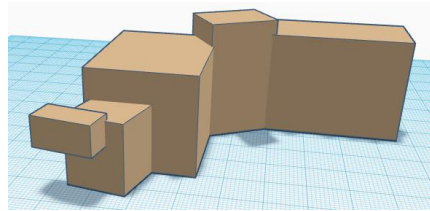

Rear view



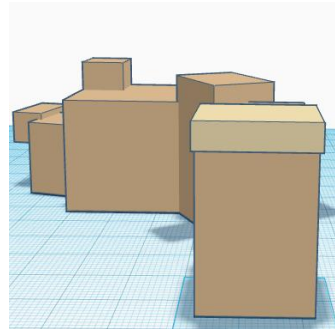
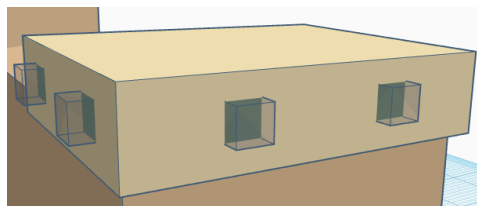
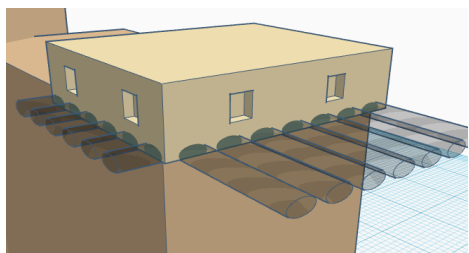
Model features

Let's start shaping the castle structure:

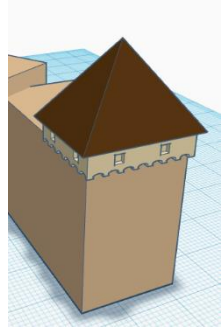
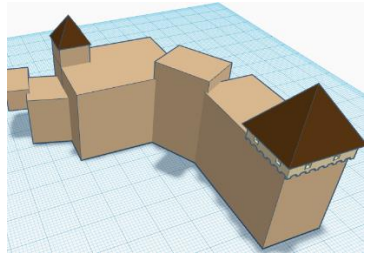
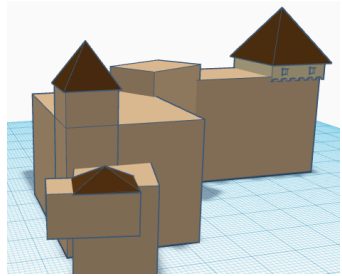
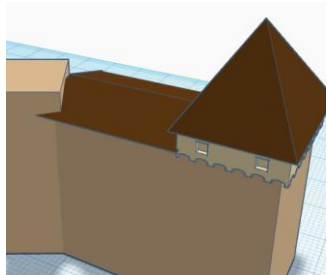
3D object	Size	Image
Cube	20mm wide x 40mm long x 28mm high	
Cube	14mm wide x 19mm long x 32mm high	
Cube	37mm wide x 29mm long x 30mm high	
Cube	16mm wide x 18mm long x 18mm high	

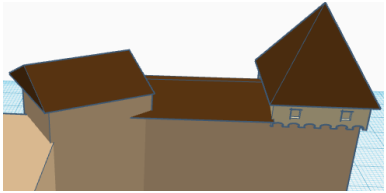
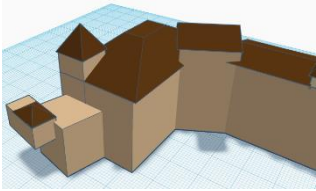
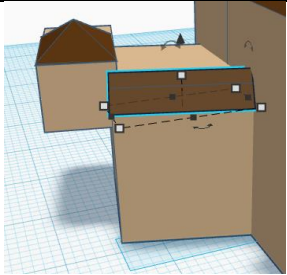
Cube	10mm wide x 16mm long x 7.50mm high	
Cube	10mm wide x 10mm long x 33mm high	

To detail the first tower, we will use:

3D object	Size	Image
Cube	20mm wide x 16.5mm long x 4.50mm high	
Empty Cube x 4	1.80mm wide x 1.80mm long x 1.80mm high	
Empty Cylinder x 13	18mm wide x 15mm long x 1mm high	

Let's include the roofs into our model:

3D object	Size	Image
Pyramid	23mm wide x 18mm long x 14.50mm high	
Pyramid	11mm wide x 11mm long x 8.50mm high	
Pyramid	9.50mm wide x 12mm long x 3mm high	
Roof	21mm wide x 25mm long x 3mm high	

Roof	20.5mm wide x 20.5mm long x 4.50mm high	
Cone	51.5mm wide x 30mm long x 9.50mm high Upper radius: 1.05 Base radius: 4.12	
Wedge	14mm wide x 6mm long x 3.30mm high	

Once the structure of this amazing castle is shaped, it is time to customize it adding every detail you want or like.

In our model, we have added some windows, decorations and the part of the cave where the Predjama Castle is located.

