



The Stars wars

Learning Objectives:

- Know how to manipulate simple shapes using tinkercad.com
- Understand how 3D printers works.
- Know how to modify files already made in order to appropriate them.

Level of Difficulty: Level 1

List of Materials Required:

- A 3D printer
- A spool of filament for the 3D printer (one color is enough)
- Some cardboard to make the support
- Duct tape
- Some sheet to print the background
- A cutter to make the hole

3D Modelling Skills Needed:

- Know how to move an object on the plan
- Know how to merge two shapes
- Know how to resize an object
- How to align different object
- How to rotate an object
- How to make a screw and a thread

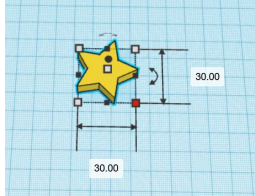
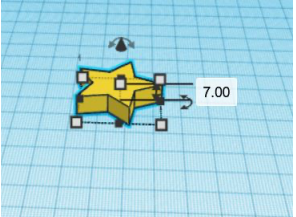
Commenté [ML1]: *It will be more cohesive if we add all these in bullet points*

Commenté [ML2]: *same comment as above for this*

Commenté [ML3R2]: *Some sentences do not start with a capital letter*

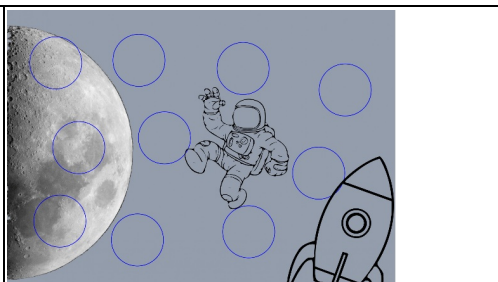
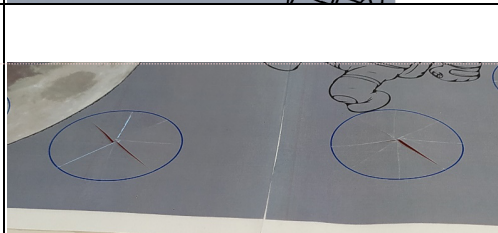
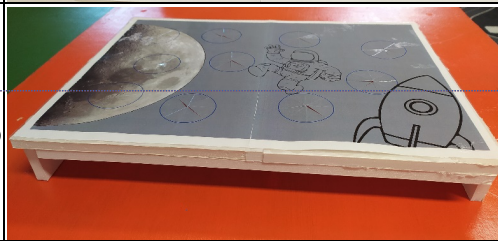



Step-by-step 3D Modelling

<p>Step 1</p>	<p>Create the star</p> <p>Dimension: 300x300mm</p>	
<p>Step 2</p>	<p>Modify the thickness to 7mm</p>	

Creation of the Exhibit

Assemble/disassemble and store the exhibits, accompanied by the corresponding time-frames

Step 1	Print your background.	
Step 2	With the cutter makes 3 diametrical cuts inside the circles	
Step 3	Build the support with cardboard or foam cardboard The stars must be able to fall under the support	
Step 4	Print your stars	

Commenté [ML4]: *perhaps it will be useful to specify "three diametrical cuts"*

Commenté [ML5]: *Do we need more details about this? perhaps the fact that the support must be hollow for the stars to fall to the other side?*

Commenté [ML6R5]: *Or perhaps a photo of the support without the printed background on top*

Commenté [FS7R5]: *i can't it's stuck... -(<*

Design Map

