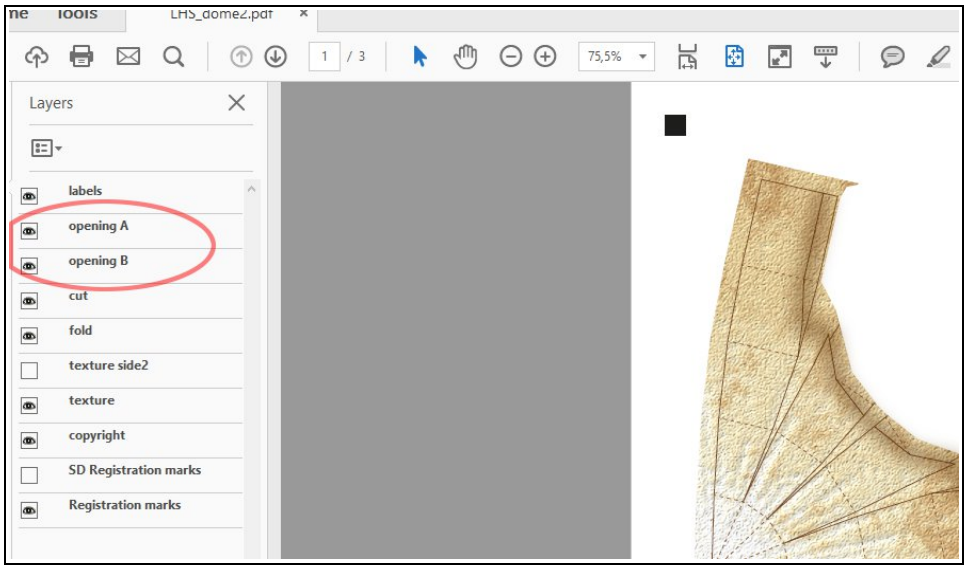
Introduction

I was inspired to this model when Vermin_King over on the cardboard-warriors forum was asking for help when doing his Mos Eisly diorama. Being a huge Star Wars fan since it was first released (I was 10 when it was released) I immediately jumped in by making the dome unfold.

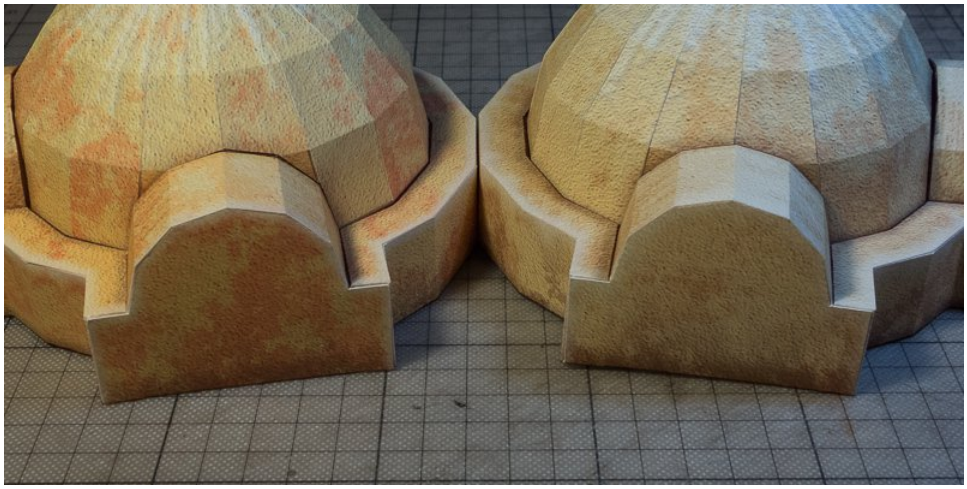
Of course this project did not get out of my head and I then continued to create all the parts for a modular full model of the homestead. This set allows you to choose how many of the arches on the side you want to build. You can select from two (opposite), three (Tee, like the original homestead) or four (on all sides).

Make sure to read this before you start printing so you understand how the files are setup.

To print the right parts you need to activate/deactivate the opening A/B layers in the dome file.

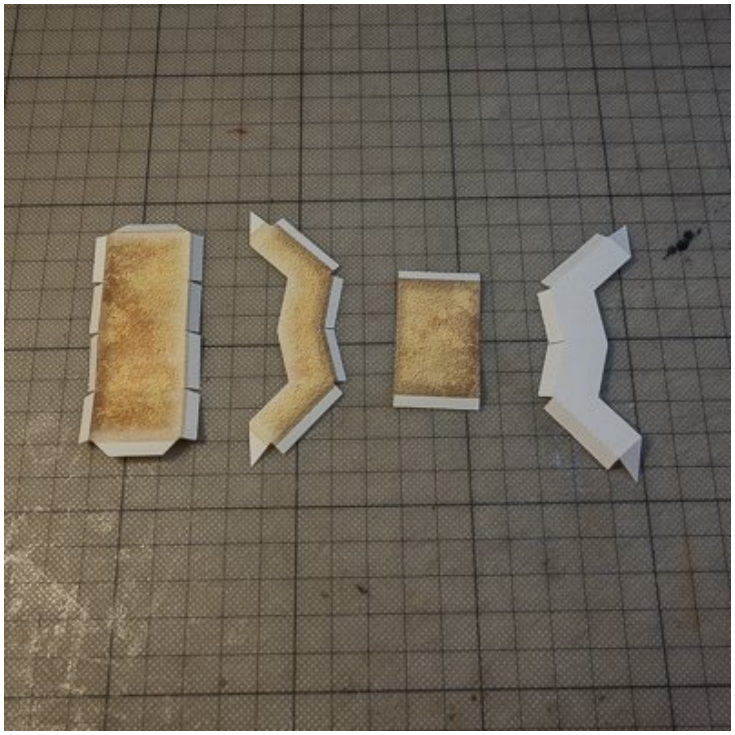


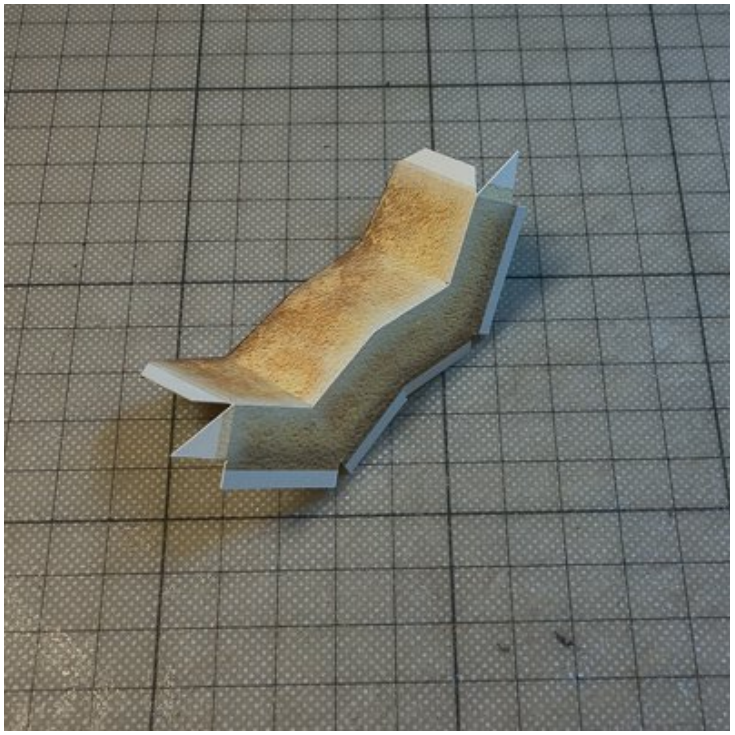
Also I have two texture versions. One is the more reddish „sunset“ color version. And the other is the more neutral „sand'“ color version. The latter is found in the files with a 2 at the end (eg LHS_walls2.pdf or LHS_dome2.pdf)



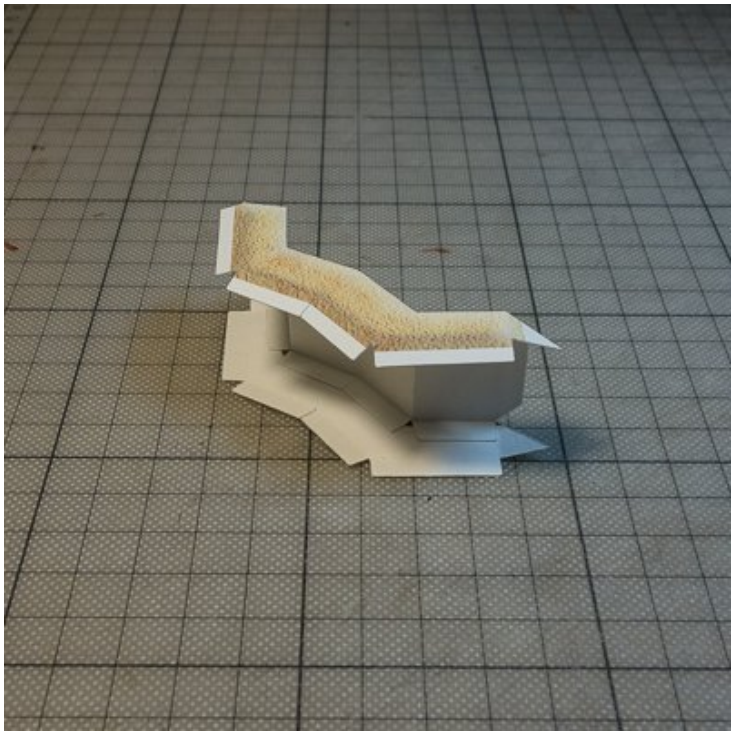
Finally, I hope you enjoy this model. If you have any questions, don't hestitate to contact me on my website, on facebook or by eMail.
Chris

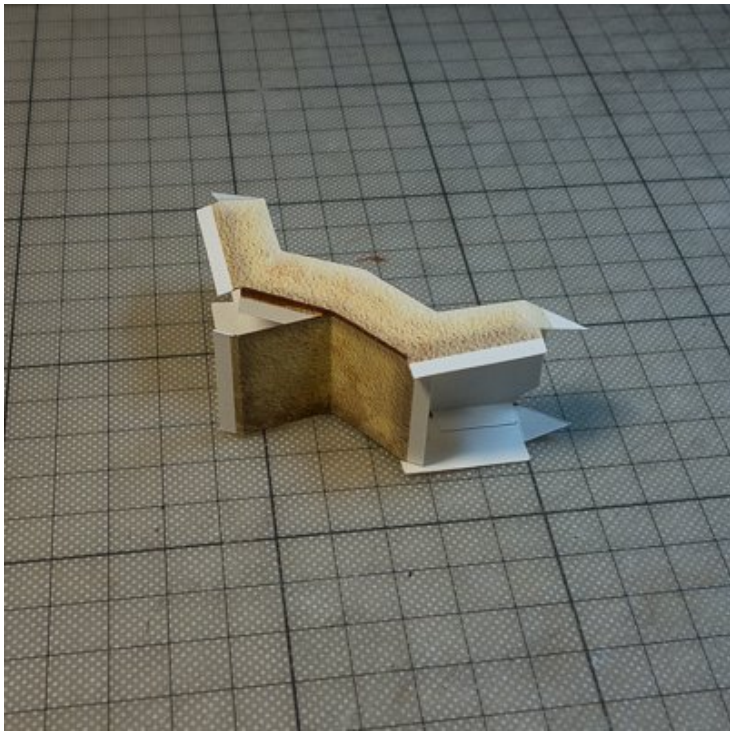
Walls





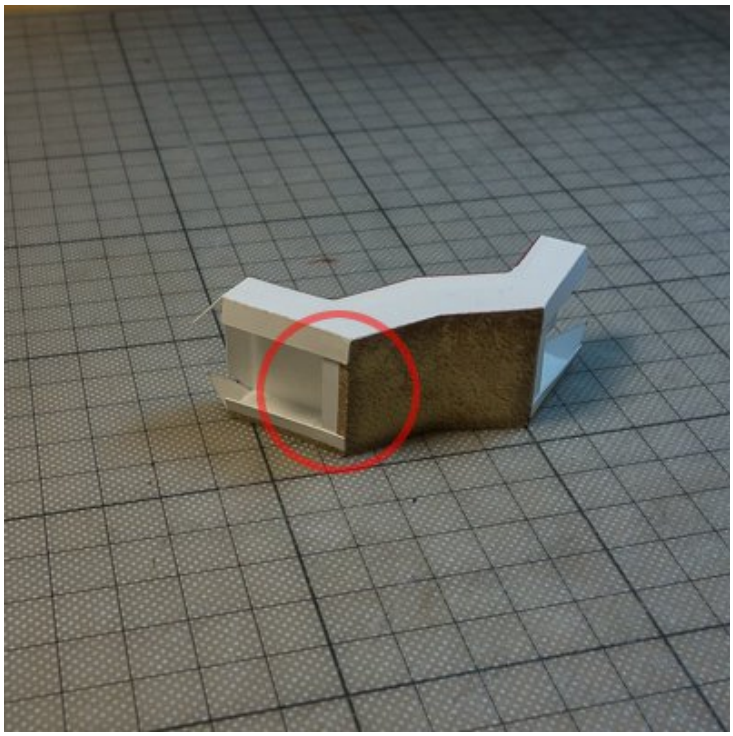
For a wall module, prepare the four parts: outside, top, inside and bottom. Start glueing the top to the outside wall.



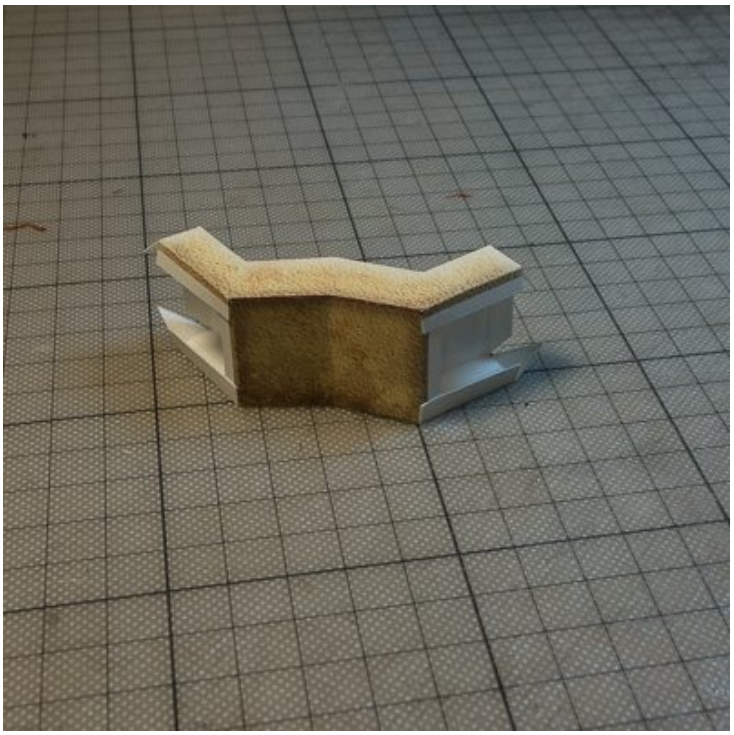


Then glue the bottom part and finally glue the inside wall. For the inside wall, it's best to glue one segment after the other, in order to not run out of space to hold/press the glue flaps (esp the long wall module).



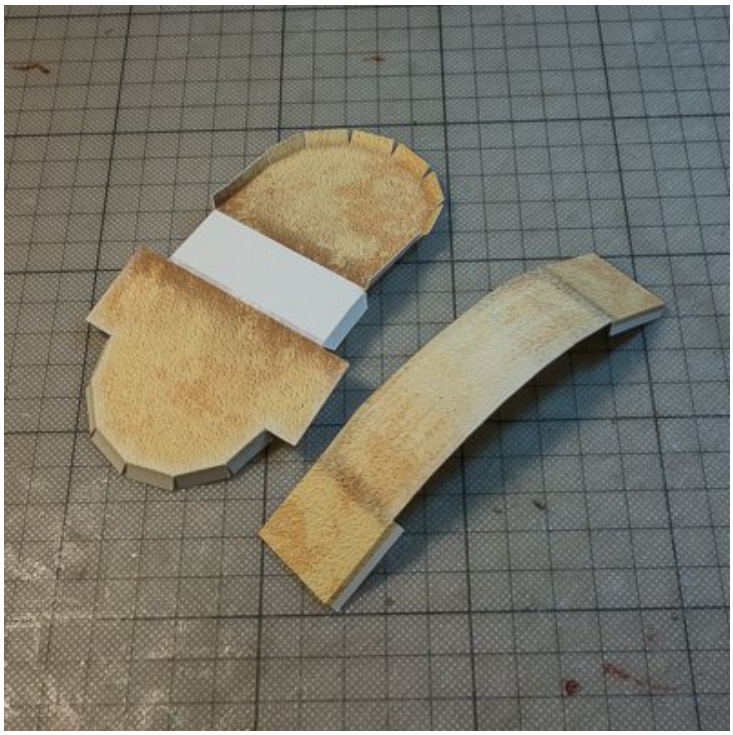


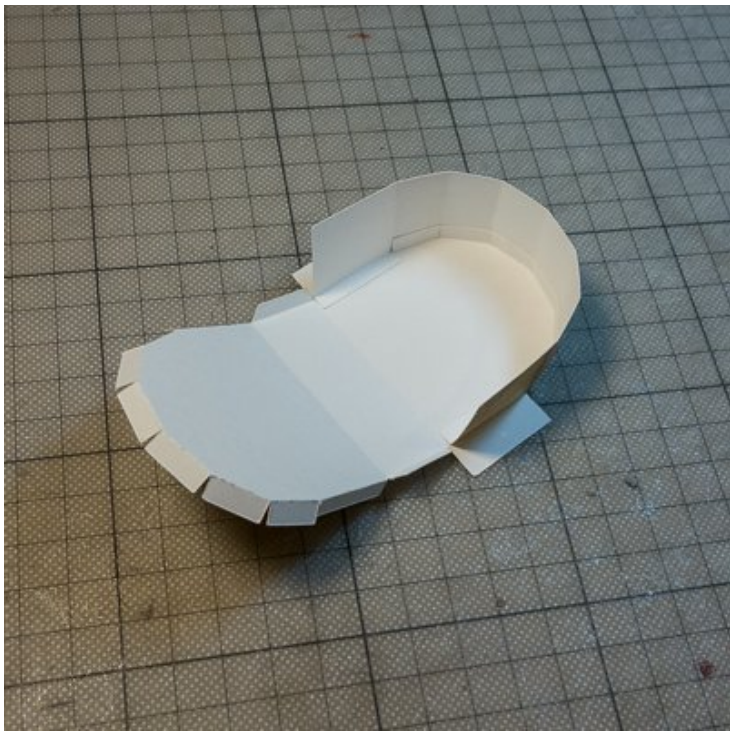
Finally glue the flaps on the side that will connect to the arch/door module.



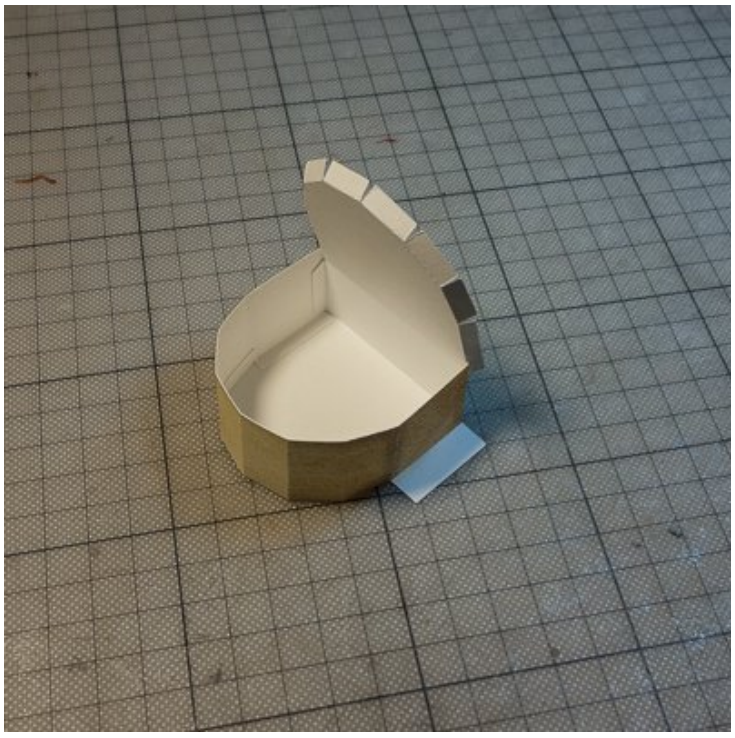
The finished wall module.

Arch / „easy door“ wall





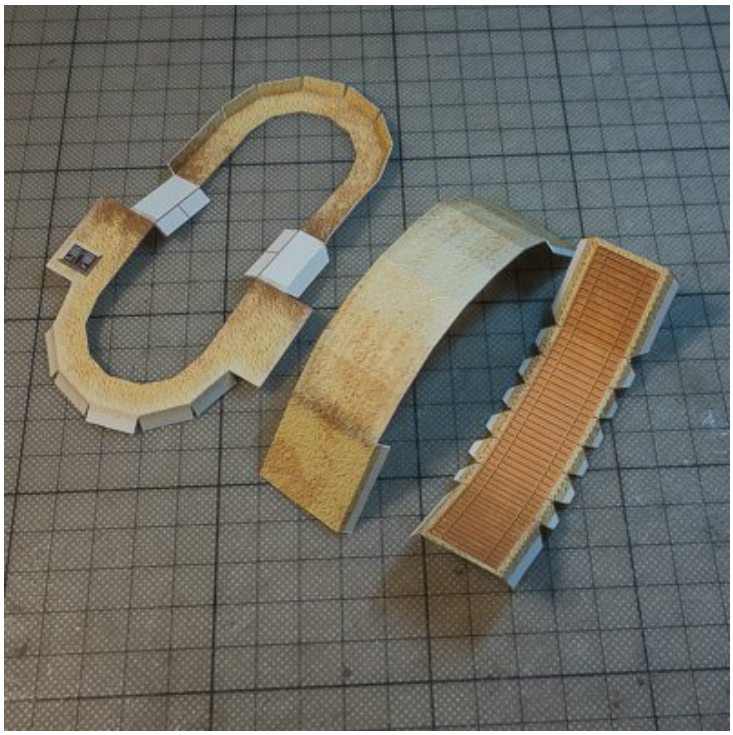
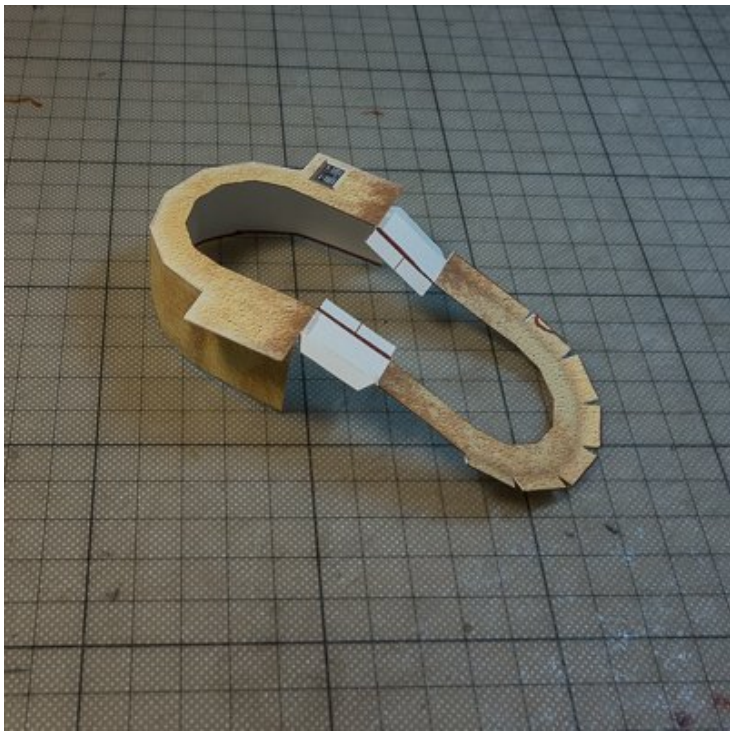
Prepare the sides and top part. Start by glueing the top part to the outside wall as shown.



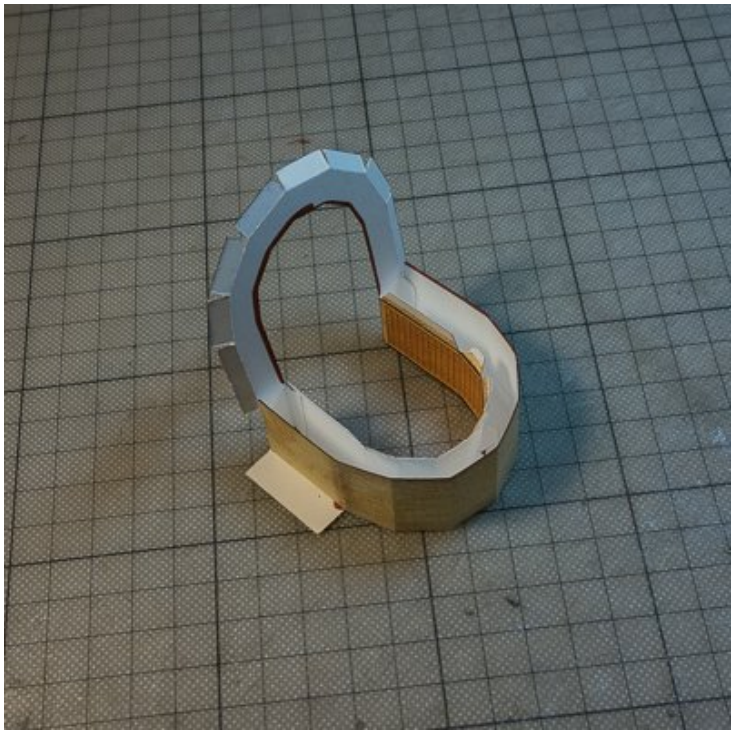
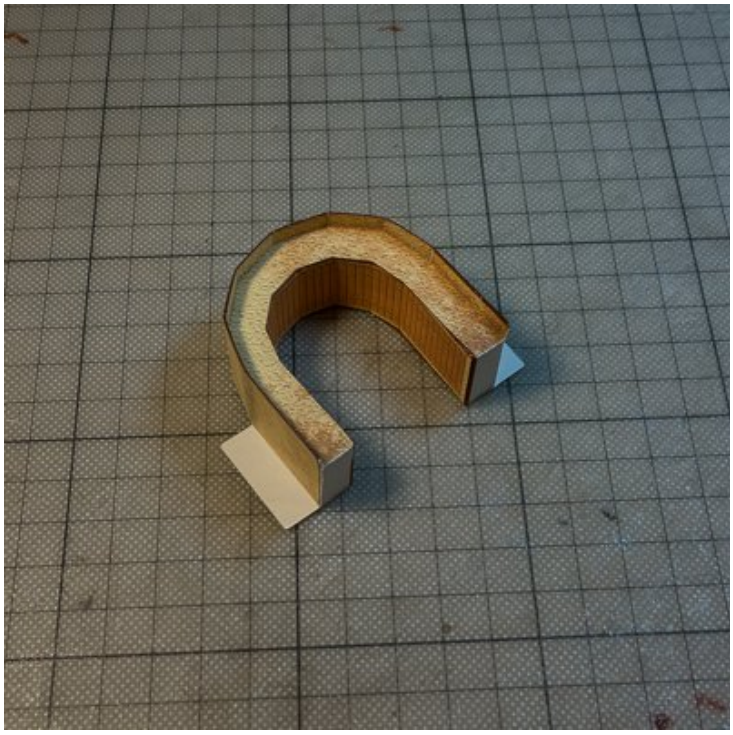


Next glue the bottom flaps into position. And finally glue the inside wall by carefully pushing it into place and gently moving the inside flaps before the glue is dried.

Open door arch

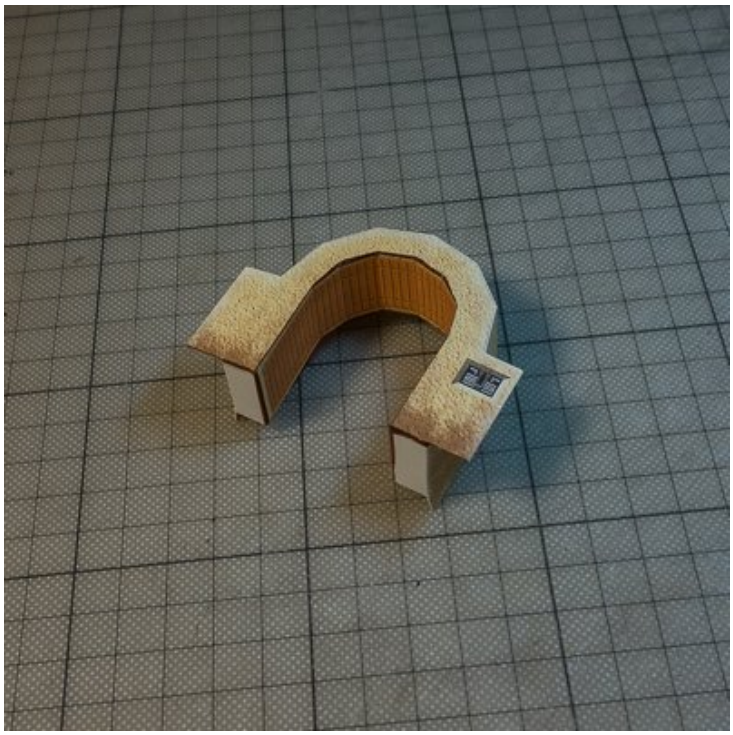



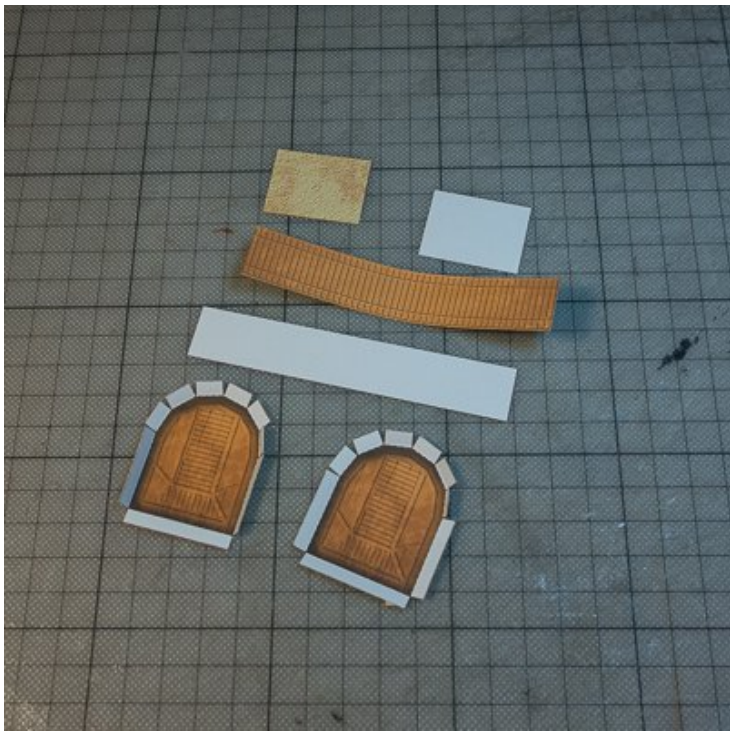
Prepare the walls, top and inside arch parts. Start by glueing the top to the front wall as shown, the same way as the standard arch wall.

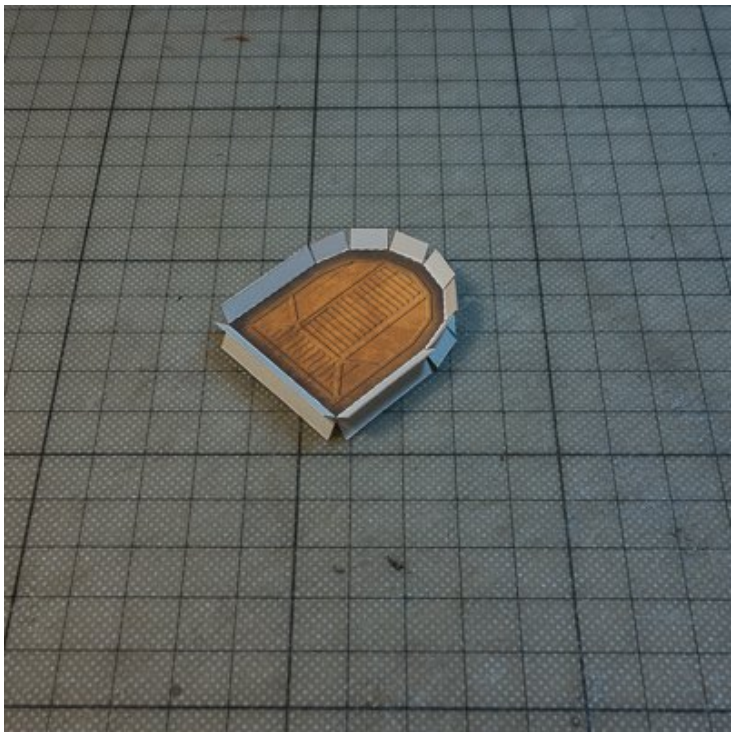
Glue the inside arch part carefully into position to the outside wall. Then glue the bottom flaps and finally carefully glue the inside wall into position while gently moving the glue flaps before its dried.

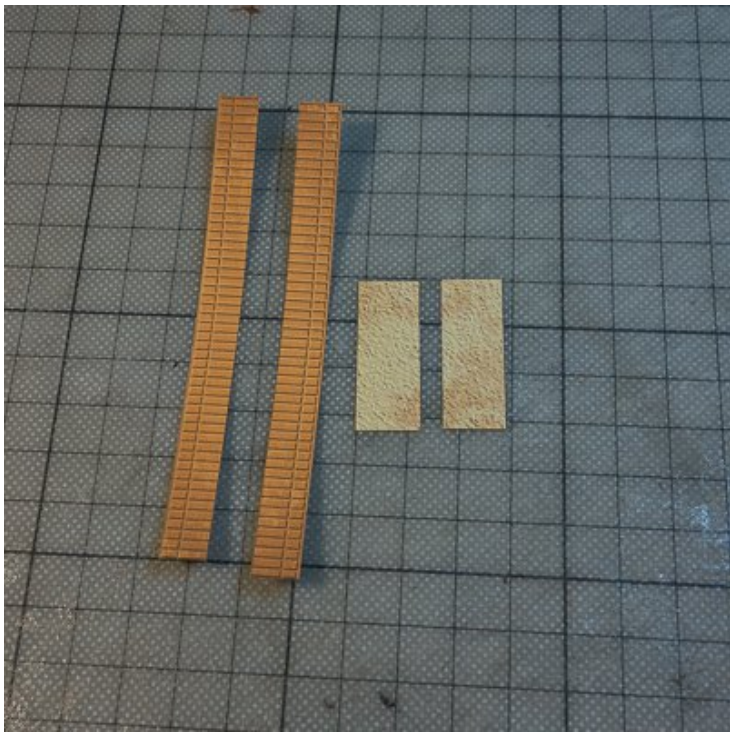
Removable door





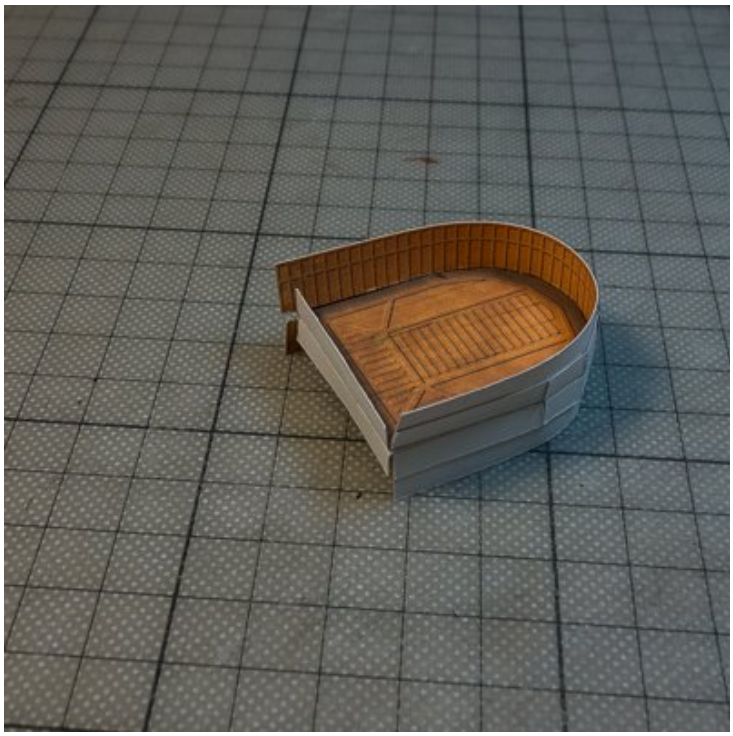
If you want a removable door for the open door, prepare the following parts.



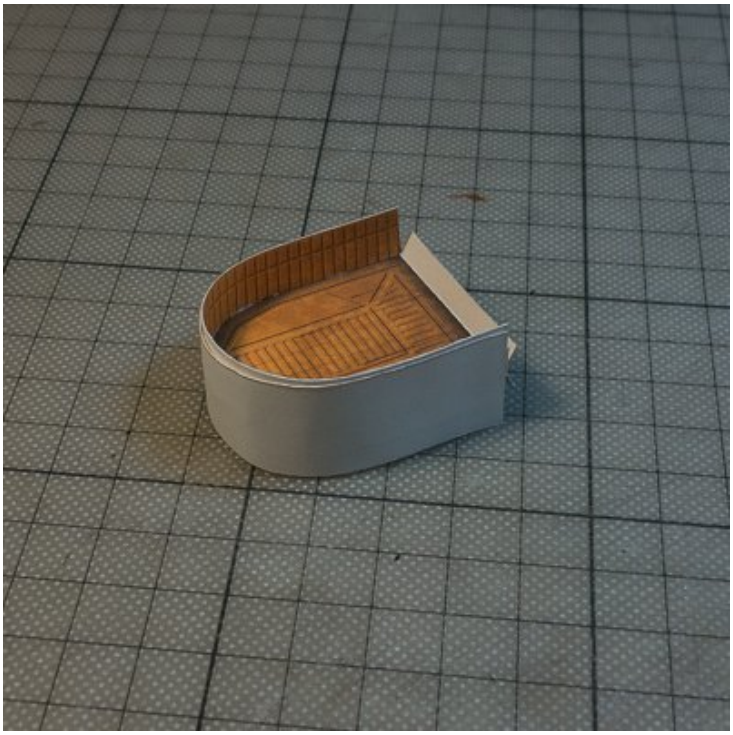


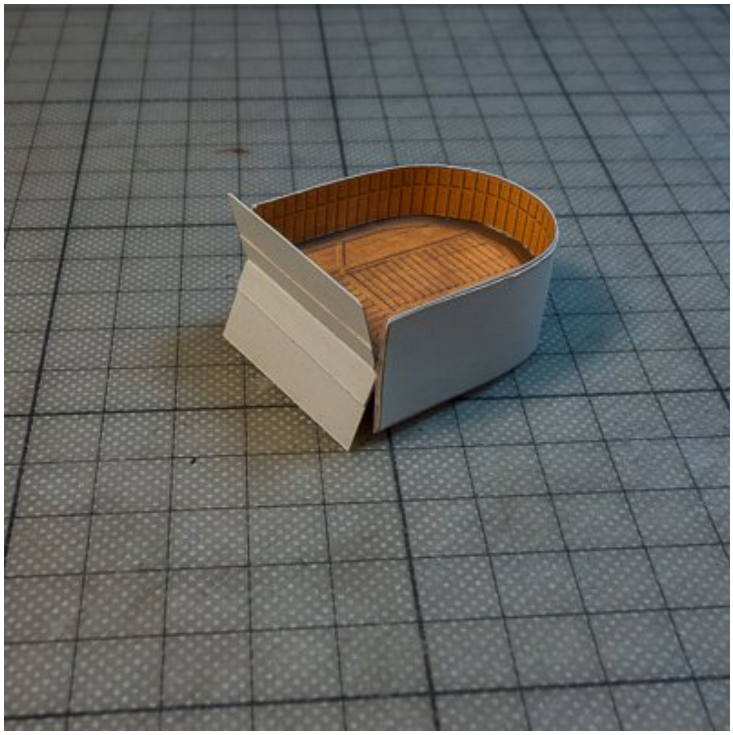
Glue the two door halves together as shown and then cut the textured parts for the bottom and inside arch in two halves.



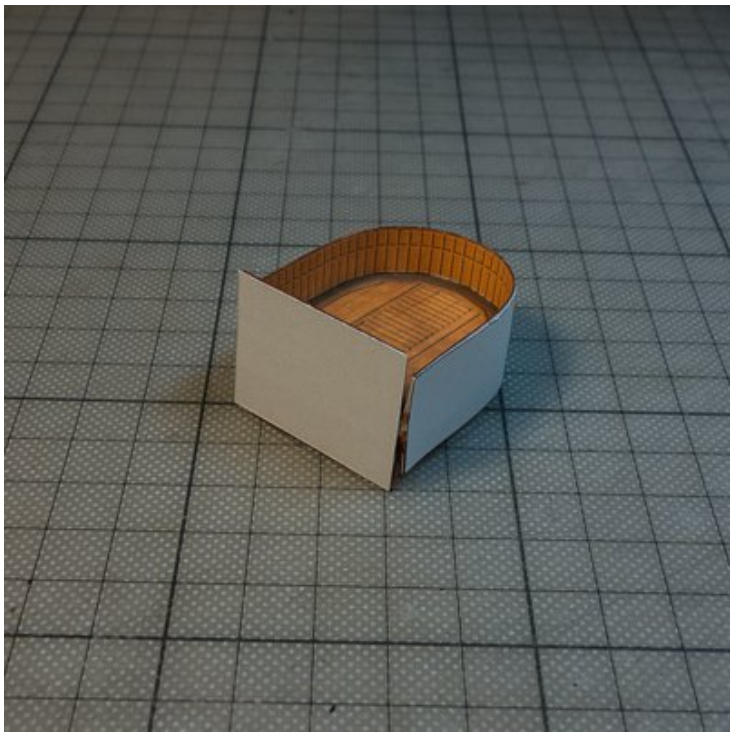


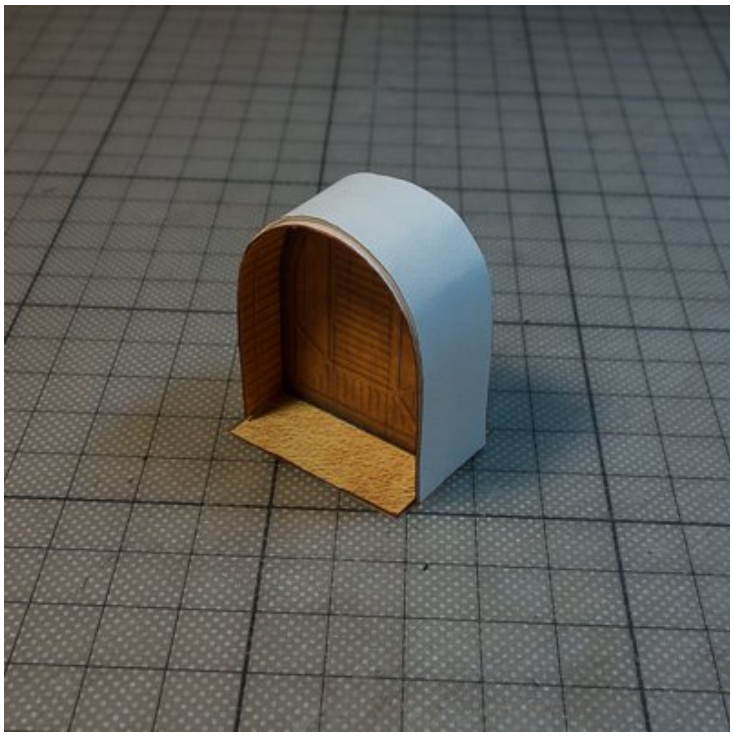
Glue one half of the inside arch as shown. Then flip over and glue the other half.



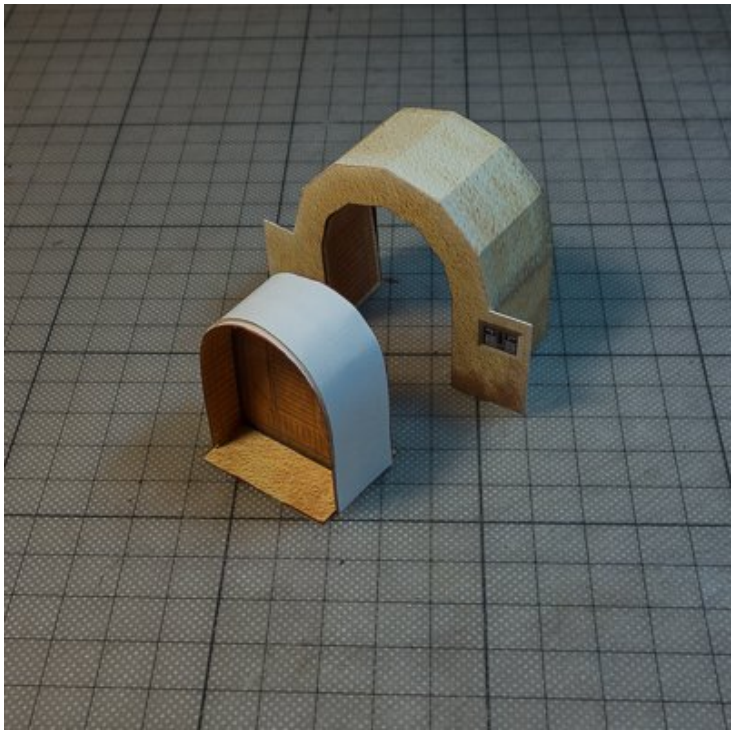


Glue the white outside arch part to cover the arch assembly. If requried trim any excess of the inside arch that is too long. Then glue the bottom halves to the bottom flaps as shown.





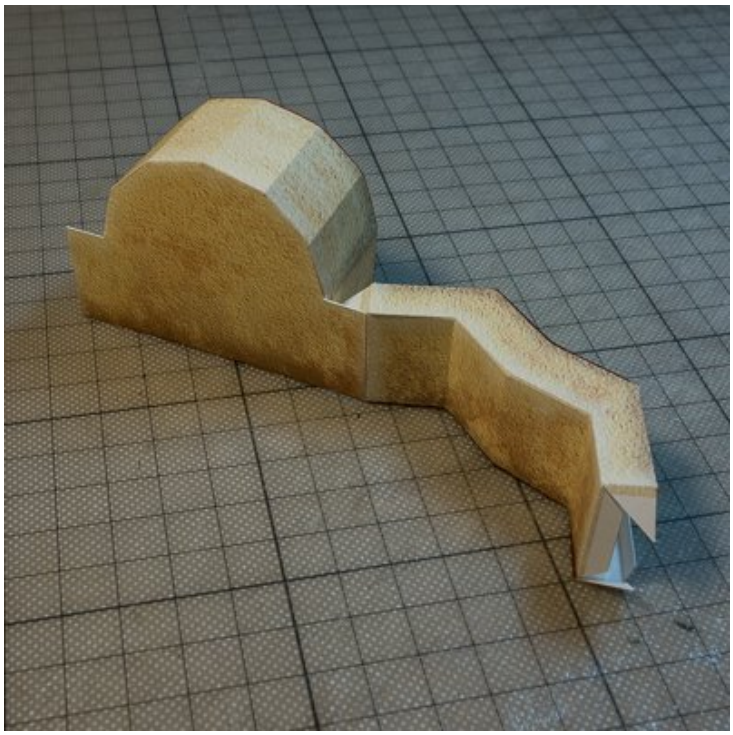
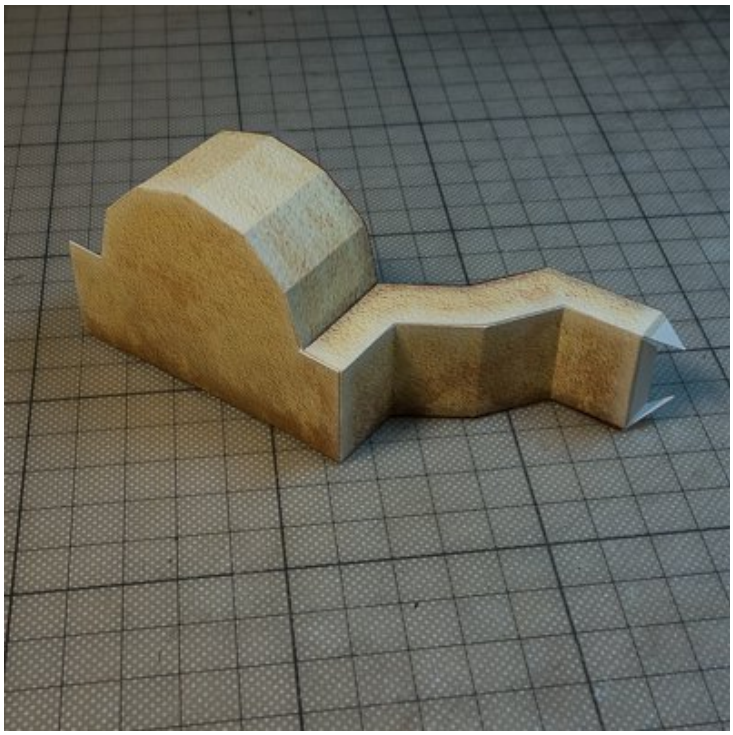
Glue the white bottom part to cover the two glued halves. Now you have a removable door.



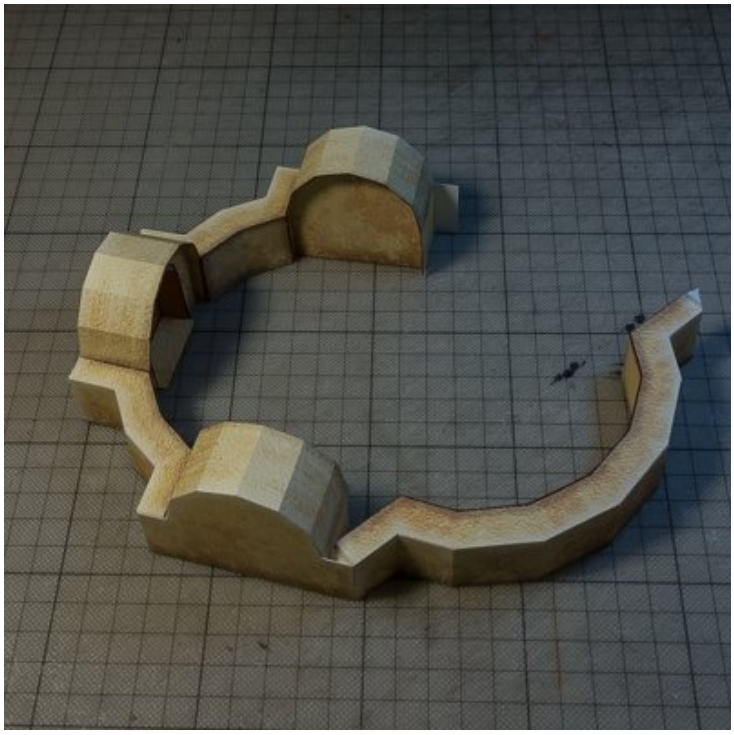


The removable door is sleightly smaller and fits into the door arch. **It's a good idea to build one before making the open door arch, using it when building the open door to help it dry in the right position.**

Connecting the walls and arches

Glue the walls to the arches modules as shown. Start with the side flap and the press glue the wall into the right position with the arch.

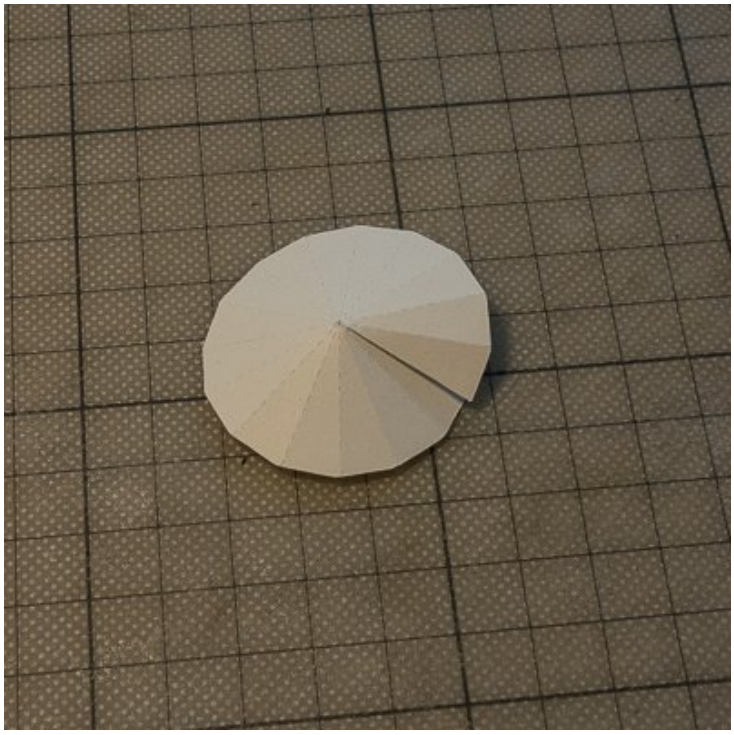



For the last wall you can only side glue one side and then you need to press glue the remaining flaps into position.

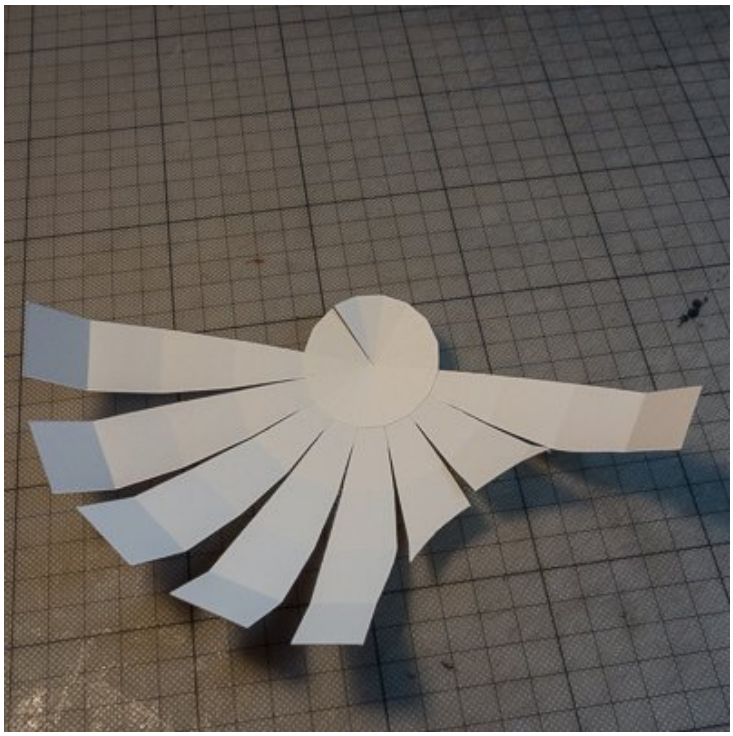
Dome



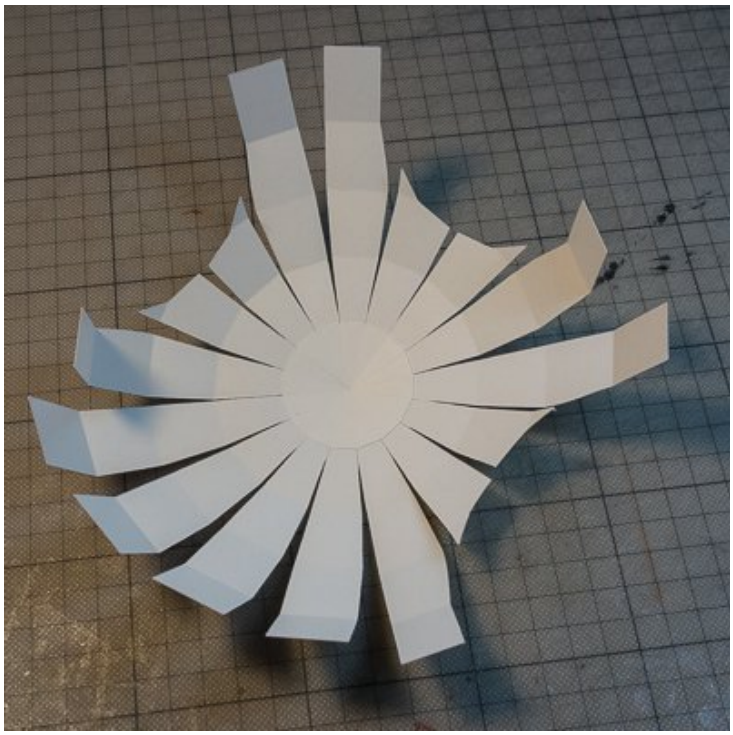

For the building the dome, prepare the right two sides for the dome (see beginning). This example is using three arches. The dome is made out of the outside structure (textured) and the untexture inside support structure.



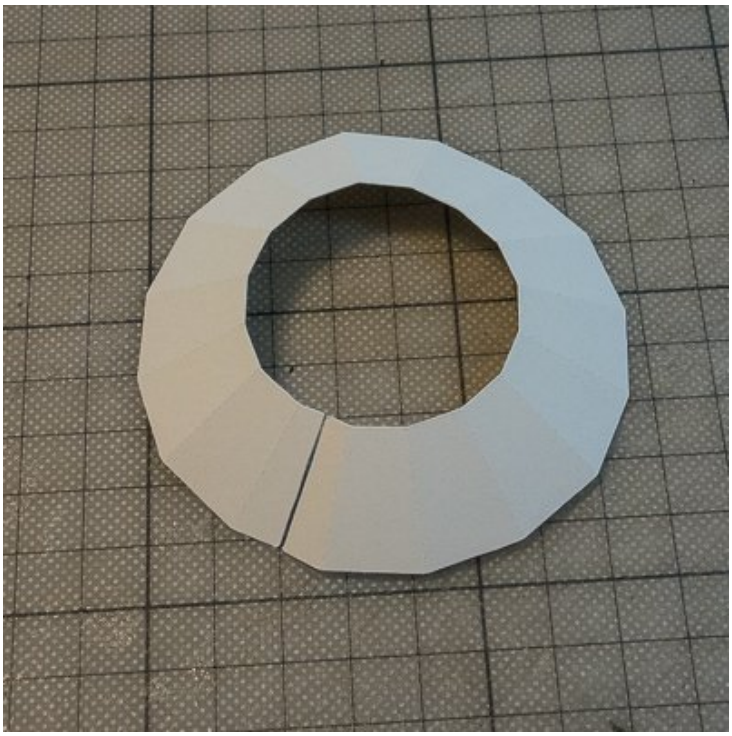
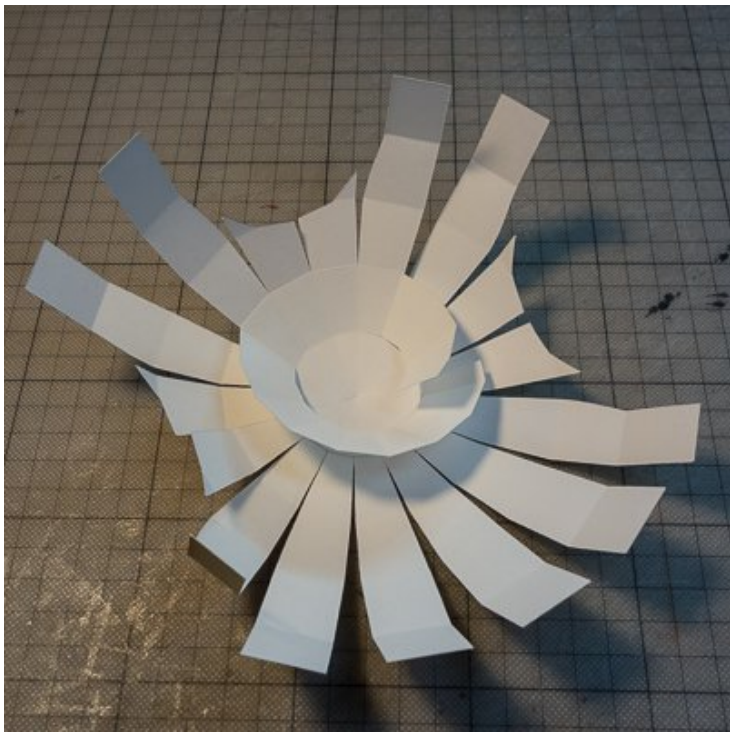

We will build top to bottom. Prepare the two halves and the innermost inside part.



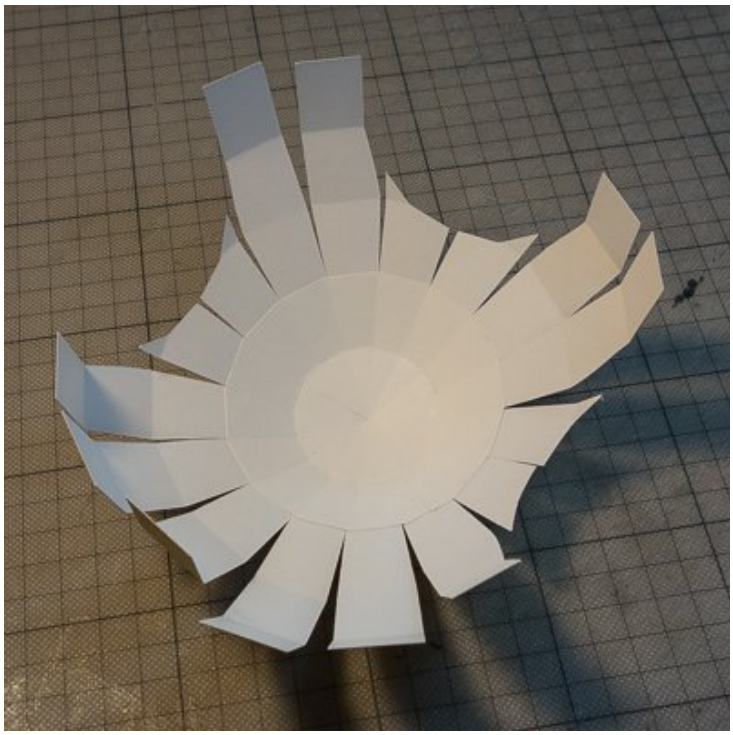

Start by glueing the top (white) support part to the inside of one of the halves as shown. Be careful to glue into correct position by using the score lines for assistance.*I use glue that stays wet for a little while so I can slide the parts as required.*

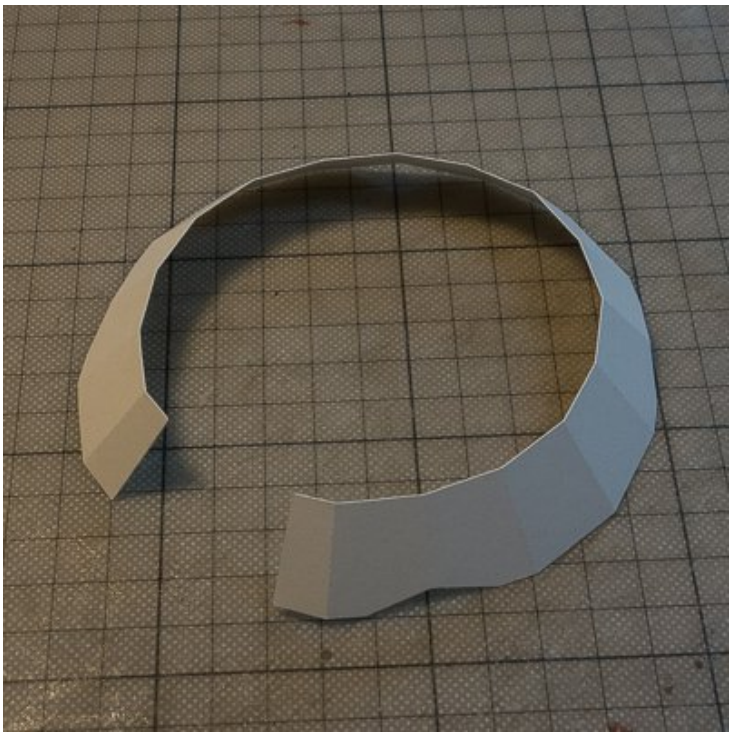
Glue the other half to the top (white) support part. Again carefully align the other outside half into correct position. The two edges of the outside halves ideally want to meet without overlap or gap.

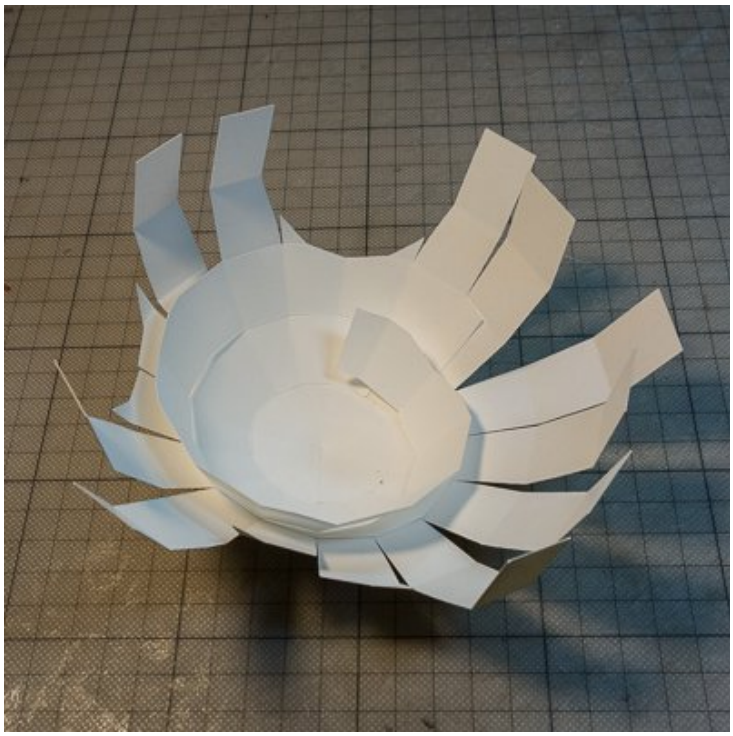



Next prepare the next bigger inside (white) circly shape. Start by glueing only a few tabs and make sure the outside flaps are move into correct position.

Here I have started with just four segments glued and made sure the edges again touch as perfectly as possible. Once dried repeat for the remaining segments. When finished your inside should look like this.

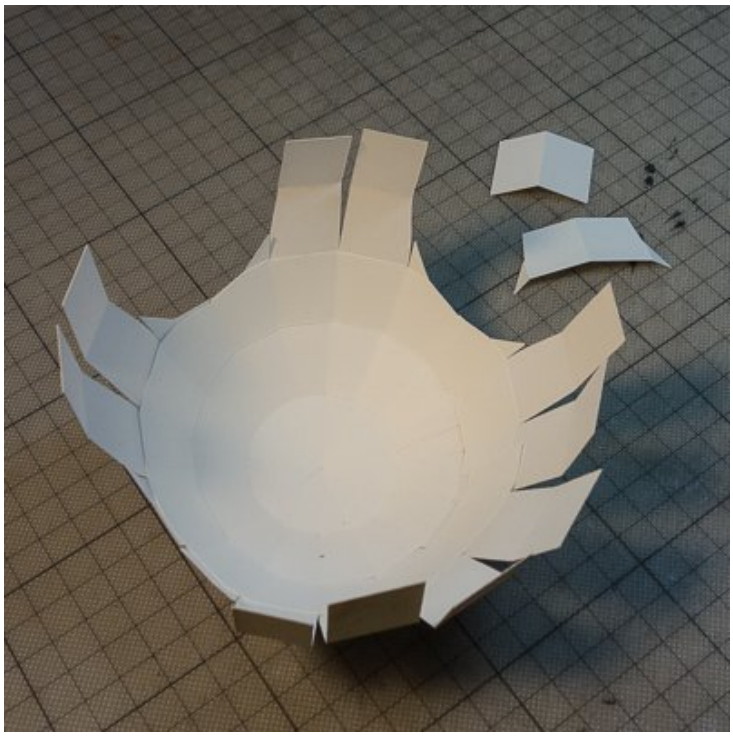


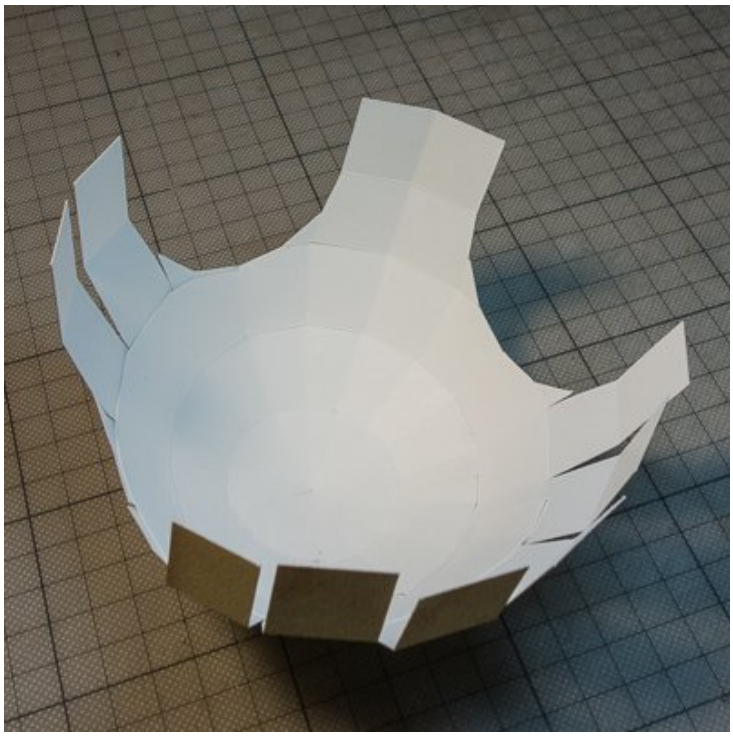


Continue this process with the next segment level. Always start with just glueing a few segements to make sure everything fits as best as possible.



Focus on the right alignment of the outside textured parts. The inside (white) parts may not always be perfectly aligned but you don't see them, so that's ok :-)

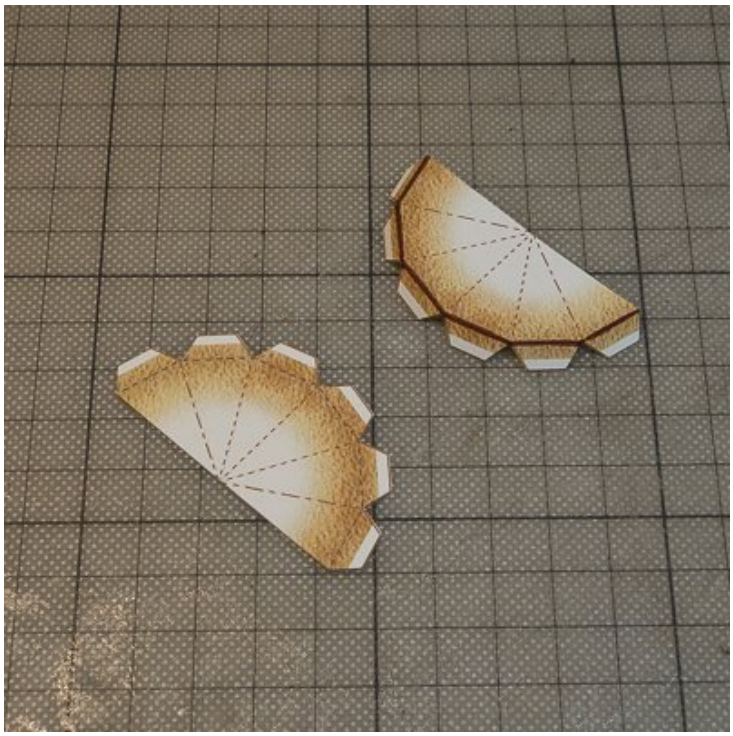


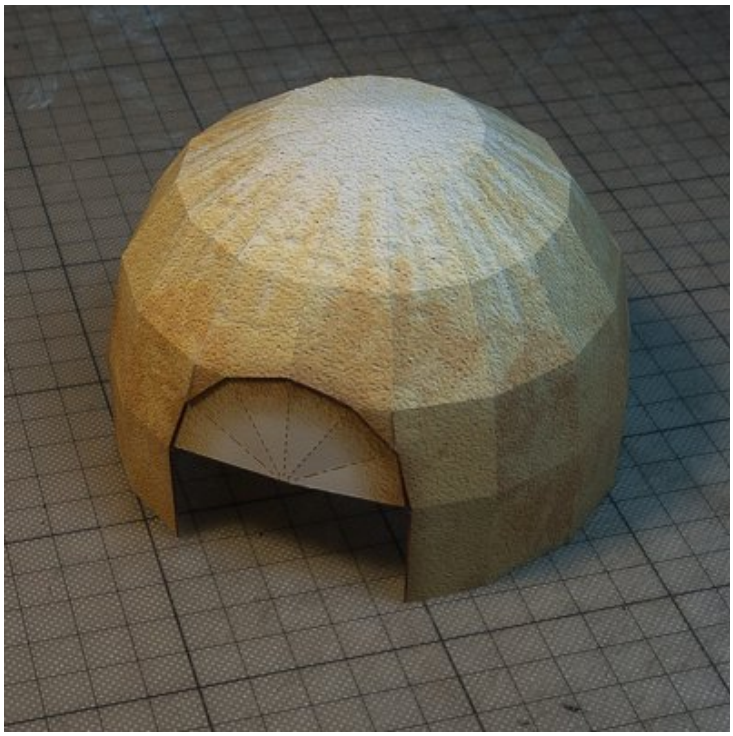


For the last two levels, select the required parts for the inside (white) structure. Here for the part between two arches, use the parts as shown.



For the other side you want to cut/trim from the white parts as required. Once you are finished we need to fill the arch gaps.





Prepare the arch filler parts. Glue them into the dome as shown. This help the dome with stabilisation and also eliminates any gaps once we insert the dome into the wall assembly.

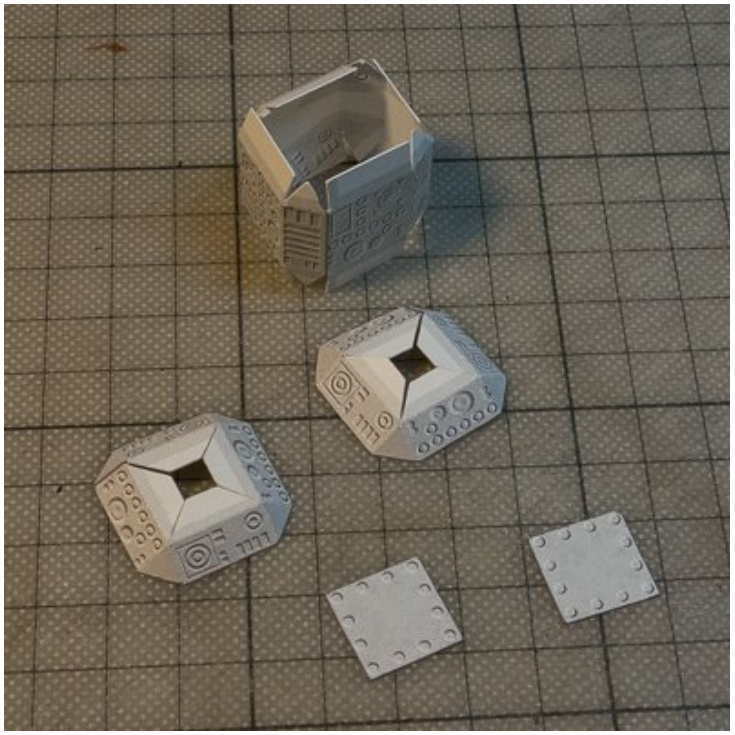




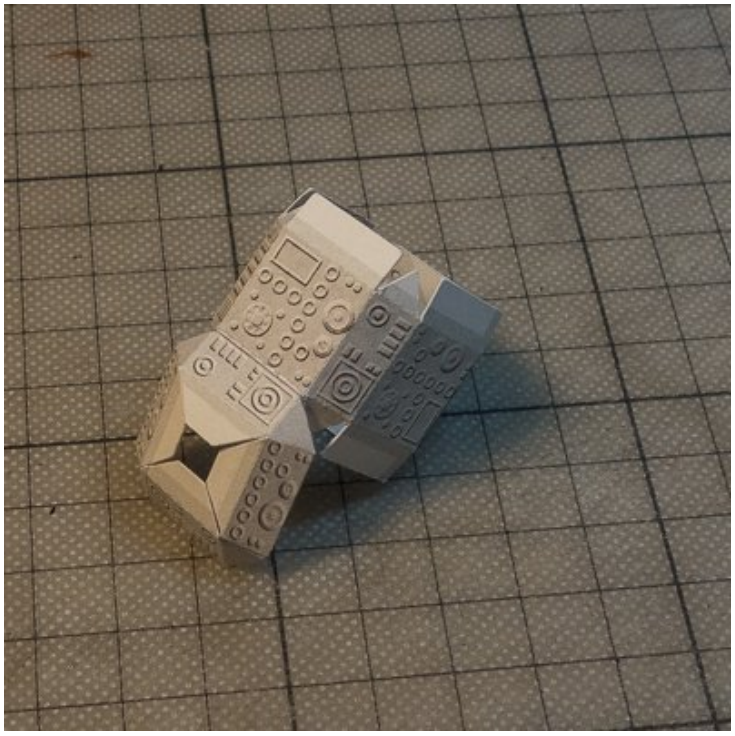
Once you have filled all the arches you are ready to slide the dome into position. *I recommend simply dropping the wall assembly from the top over the dome and carefully sliding it into the correct position.*

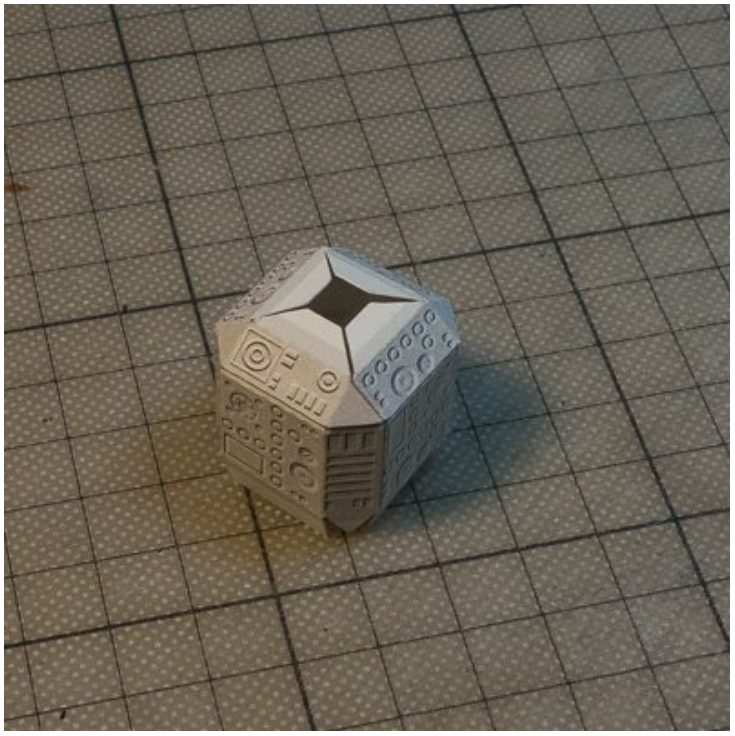
Crates



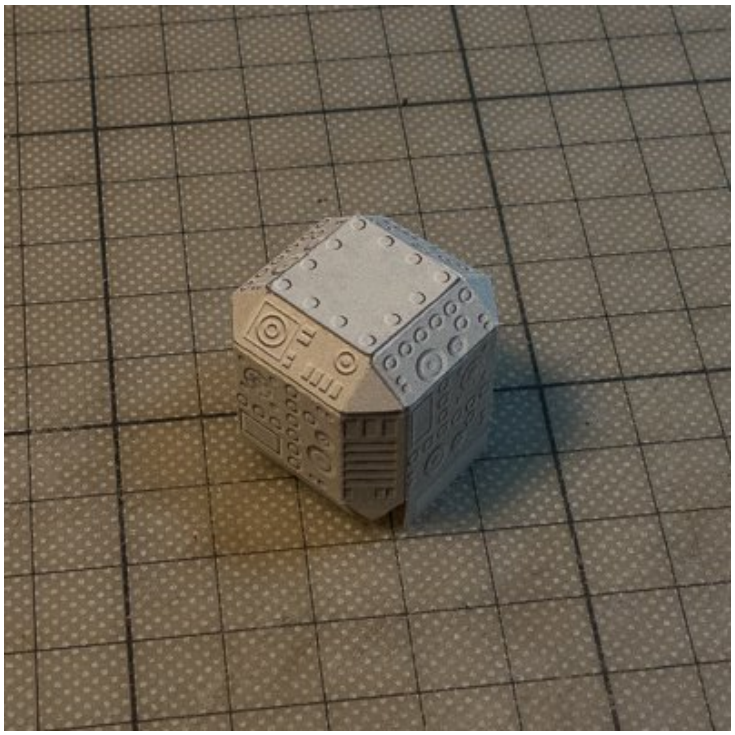


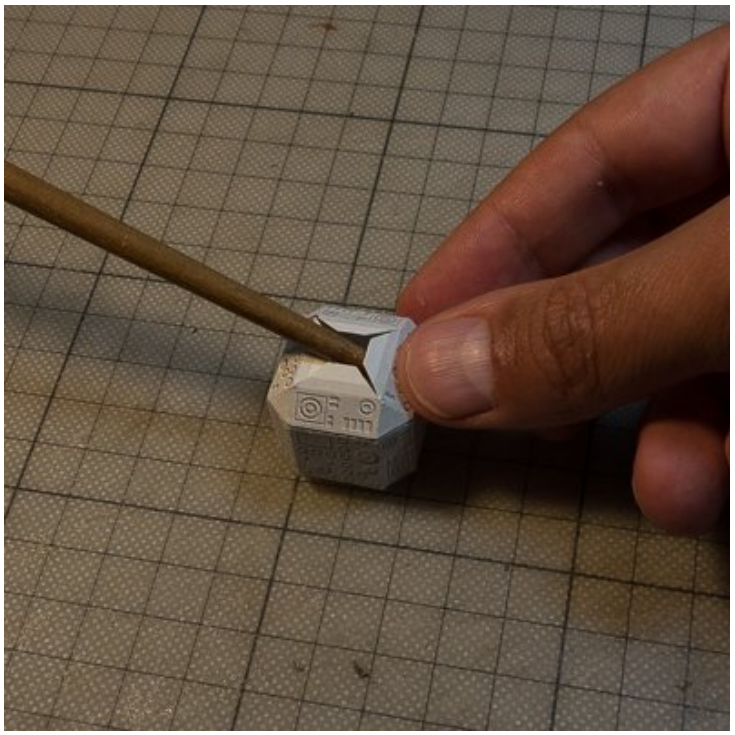
Prepare these parts for one crate. Start by glueing the side and two sloped parts as shown.



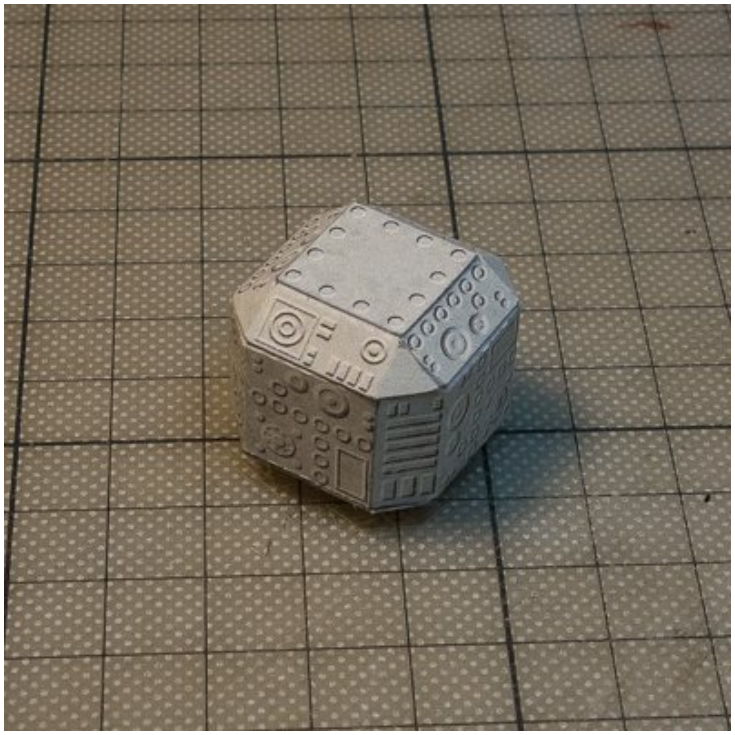


Next glue one sloped side onto on flap from the side part. Once dried glue the remaining flaps of the side part.





Glue the top to close this side of the crate. Then repeat on the other side. You might need the blade of our knife or a chopstick to help with glueing on the other side.





Finally glue the other top to fully close the crate. Build as many crates as you want.
I have found this free model of Luke's landspeeder to match perfectly in size. I got it from here
http://davesdesigns.ca/cutandfold/html/starcarz.html#STARCARZ
(third from the bottom on that page).