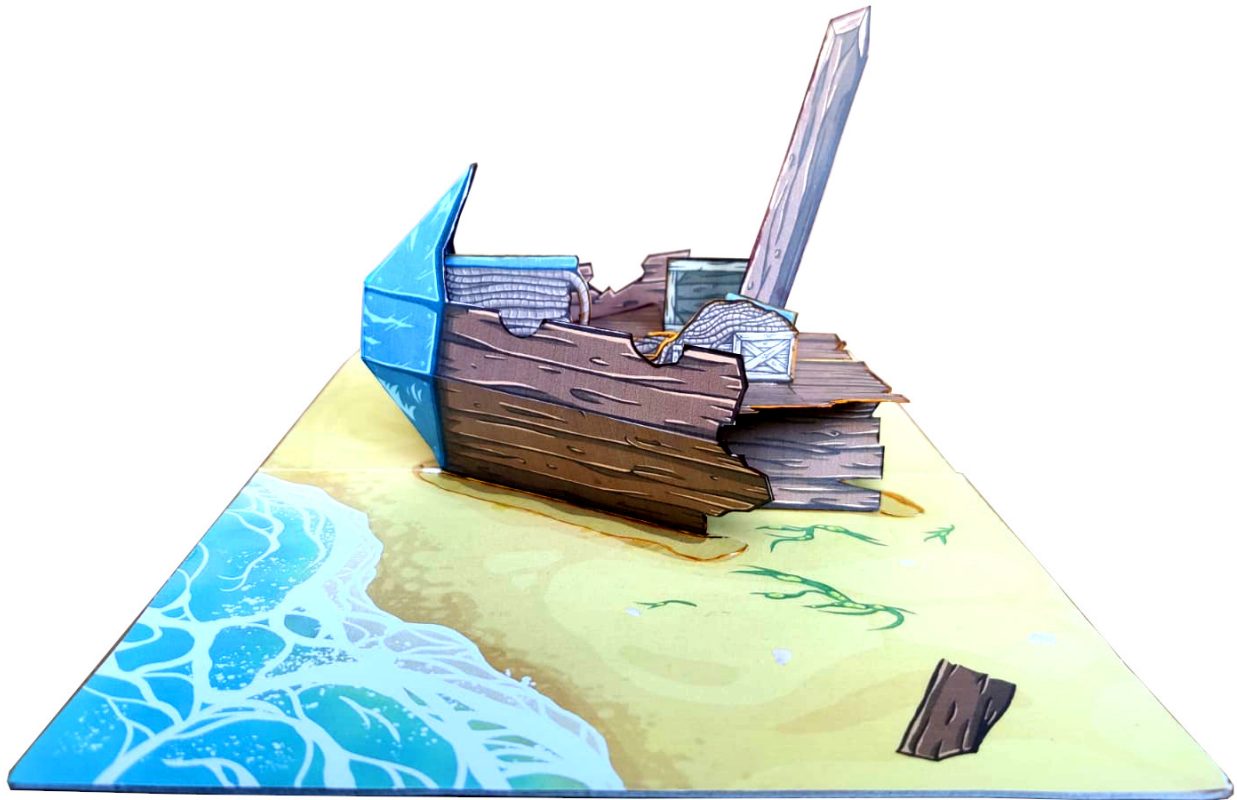


Shipwreck diorama pop-up tutorial

By RPGPapercrafts



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Preparation

Tools and materials

The tools and materials required for assembling this pop-up map are:

- 4 sheets of 160-200 grams A4 sized paper
- A4 sized cardboard / hardboard (preferably 1-2mm)
- Glue pen
- Hobby knife
- Cutting mat
- Ruler (preferably metal)
- Black/colored marker (optional)

Coloring the edges

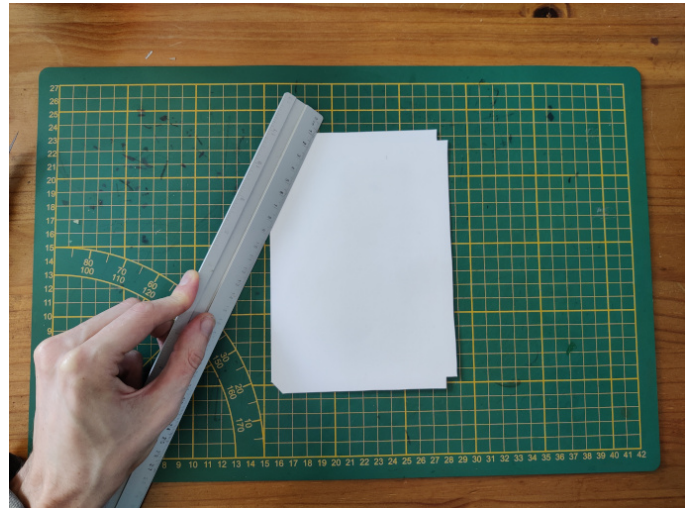
Because the paper is white, there may be white edges and creases visible throughout your map. To give your map a more polished look, you can take a black marker, or one with matching colors of the pop-up, and go over every white edge to color them.

Assembling instructions

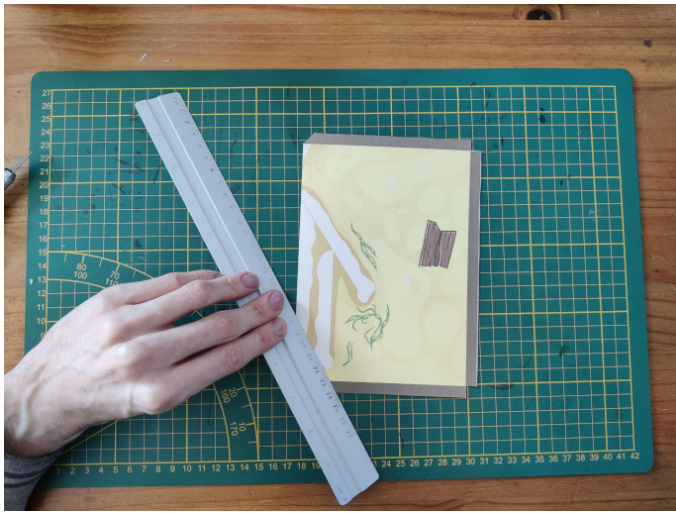
Ground



Cut out the ground piece along the outline. The brown strips on the sides can be used to wrap around the cardboard or hardboard base.



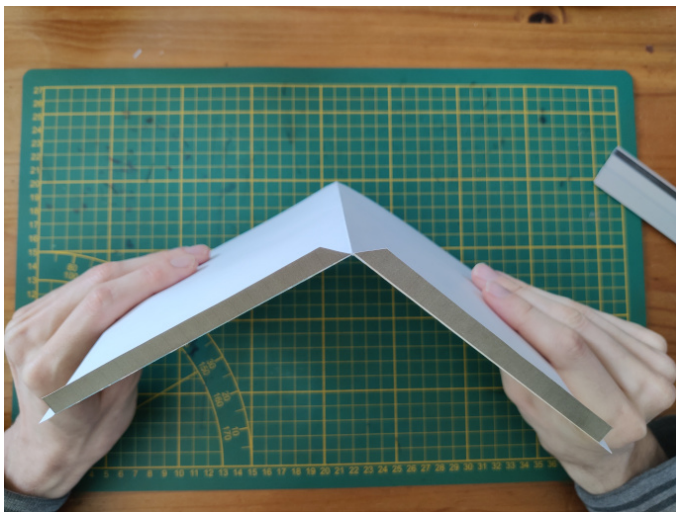
Ensure that all creases are sharp. A metal ruler works well for this. Using a pencil or a (blunt) knife help making a sharp crease as well.



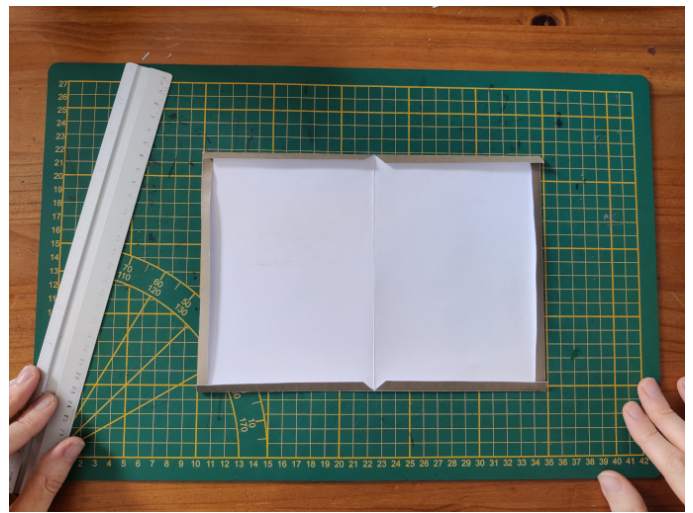
Inverse the fold and sharpen it again a few times to make the crease move smoothly.



Crease all the brown strips that will fold around the cardboard/hardboard too.



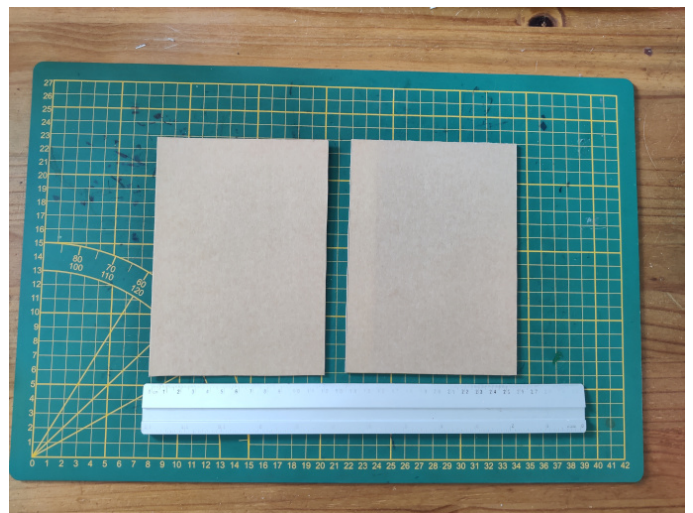
Ensure that the pop-up can still fold close.



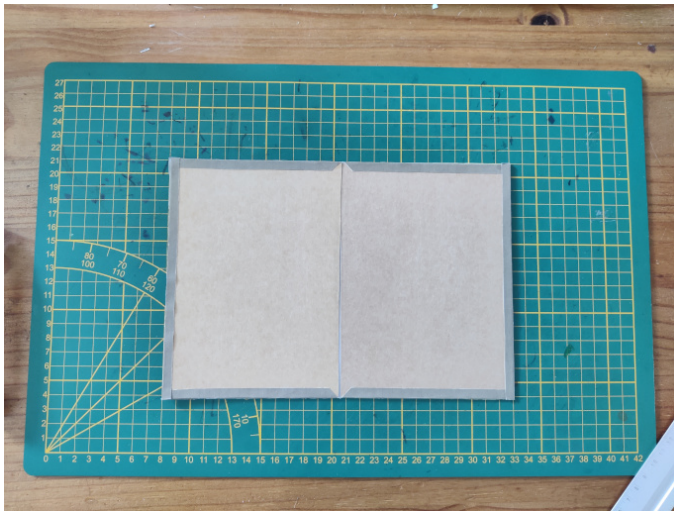
Depending on how thick your cardboard is, you may need to add another crease on the strips so they fold precisely around the cardboard.



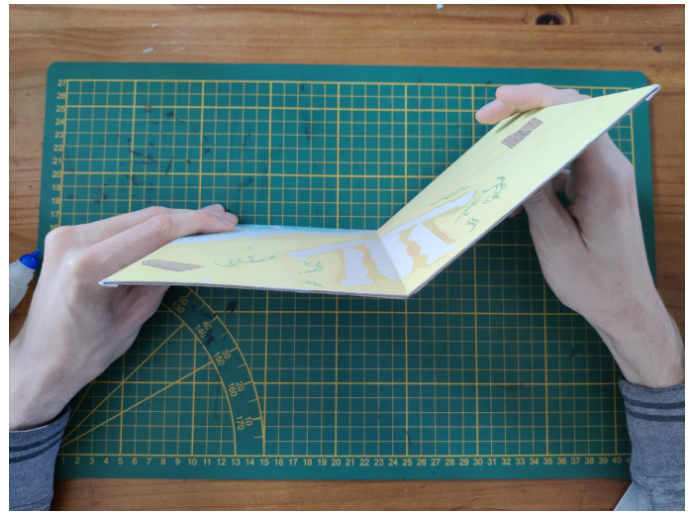
Cut out two pieces of cardboard / hardboard that fit inside the pop-up floor.



I use 1mm thick premium hardboard, which is heavy enough to keep the pop-up flat, doesn't bend quickly, and as thin as I could find.

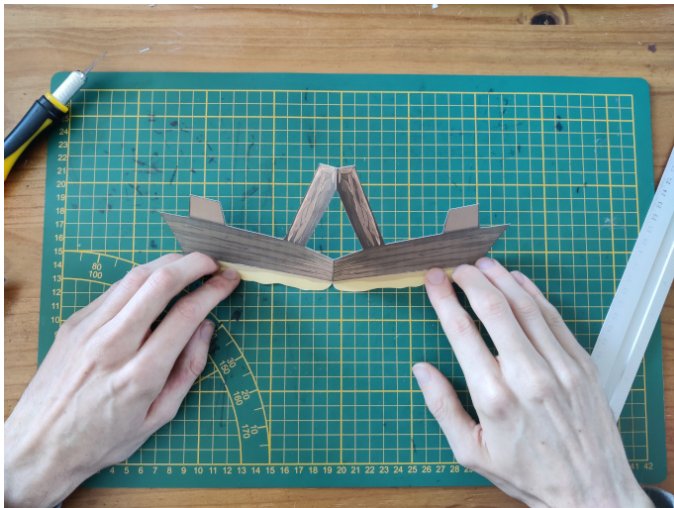


Cut out the pieces slightly smaller so that the pop-up can fully open and the two pieces don't clash in the center.



You should have a sturdy base now to mount the shipwreck on. The cardboard is optional,

Central supports



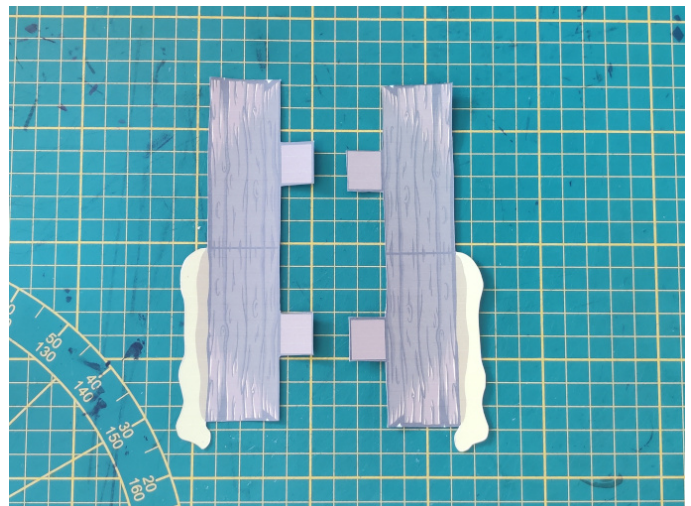
Cut out center support piece A. Fold along the dotted guidelines. Glue this piece back to back.



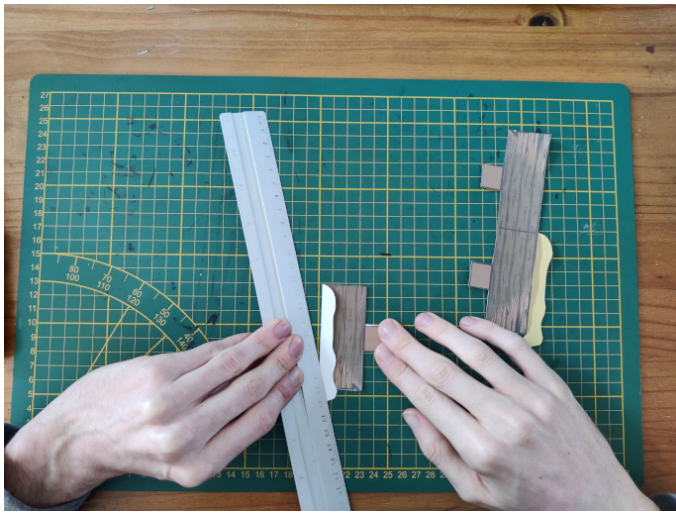
Glue it with the sand tabs on the ground piece, matching the shape.



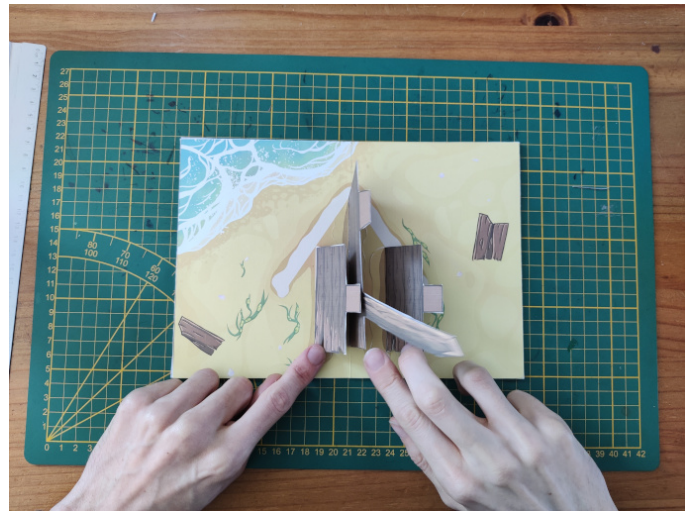
Close the pop-up to make sure everything folds close and open properly (do this step often with any piece).



Cut out the two side supports B left and B right. Glueing them back to back, and cut out the wood cracks on the edge for extra detail.

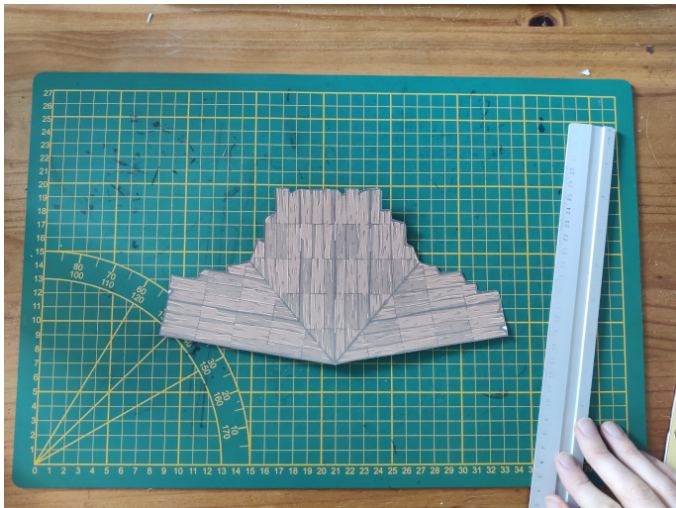


Don't forget to make the creases sharp so that they move smoothly, and don't create extra tension on the map.

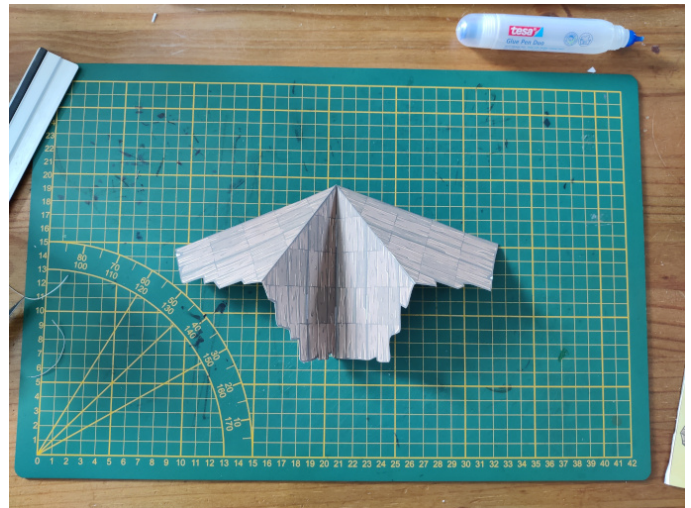


Paste the support pieces B on either side of the central support on the map so that their sand tabs match those on the ground.

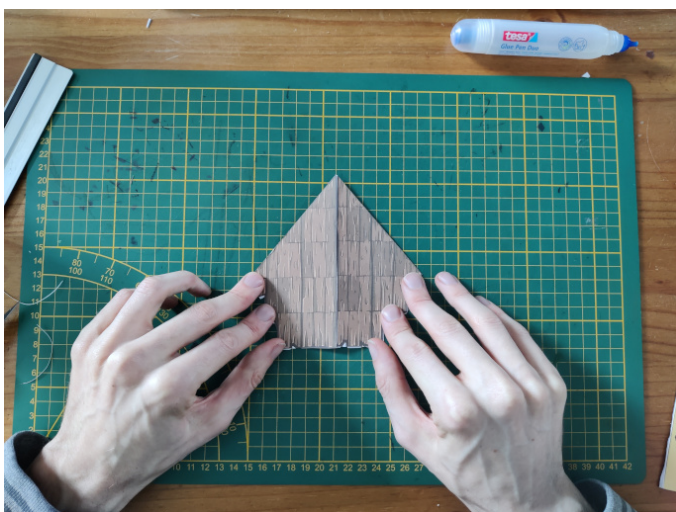
Deck



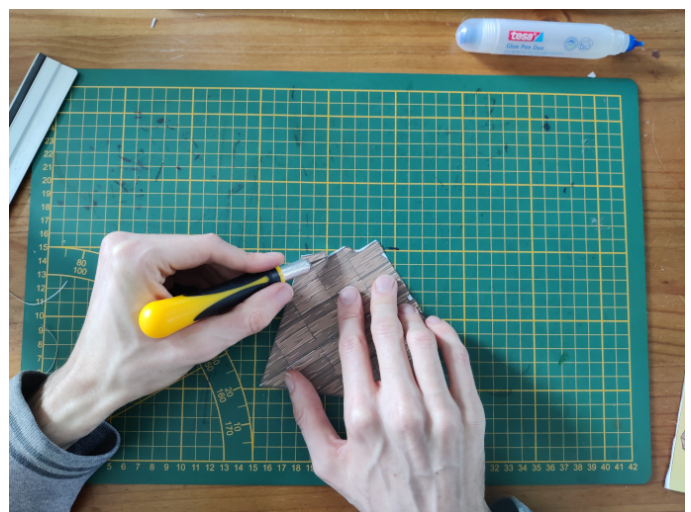
Cut out the deck (piece J).



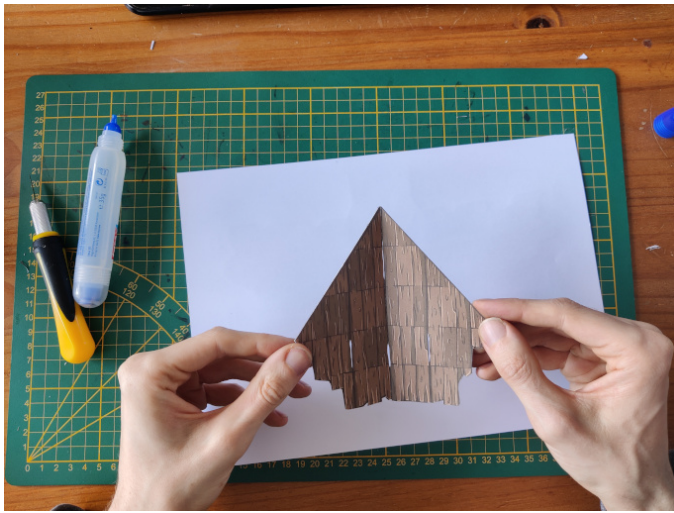
Fold along the dotted guidelines.



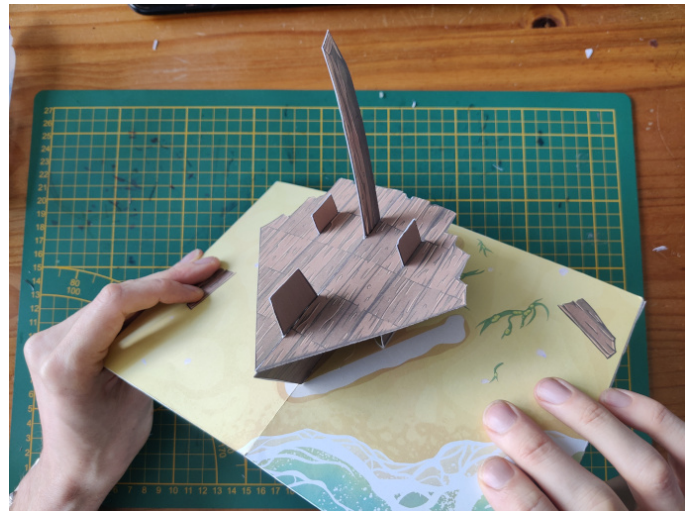
Glue sides J1' and J2' to the back of J1 and J2.



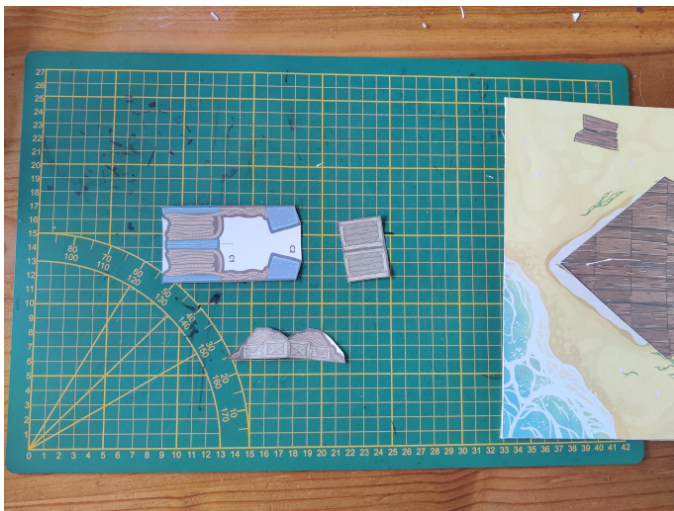
Cut away any white parts that stick out due to light misalignment.



Cut holes where the four slots are indicated.



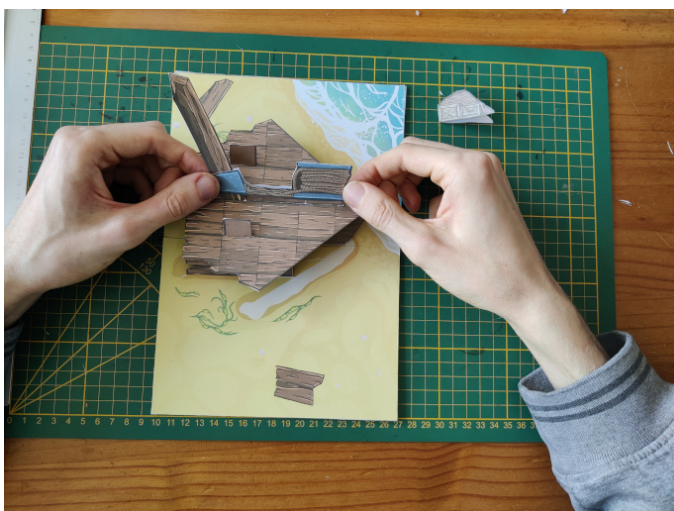
The deck should fit over all the notches of the supports. If they don't fit, just cut the slots a bit bigger.



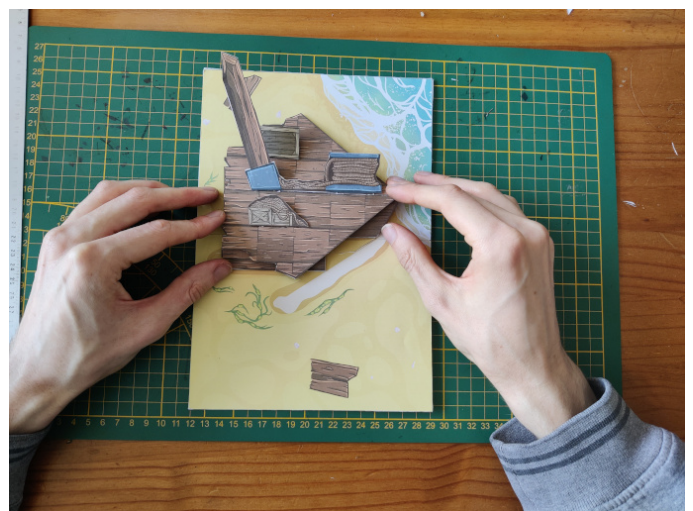
Cut out the pieces C, H1, and H2. Do not glue them back to back yet!



Fold them back to back (again, don't glue yet) and cut away any white parts that poke out.

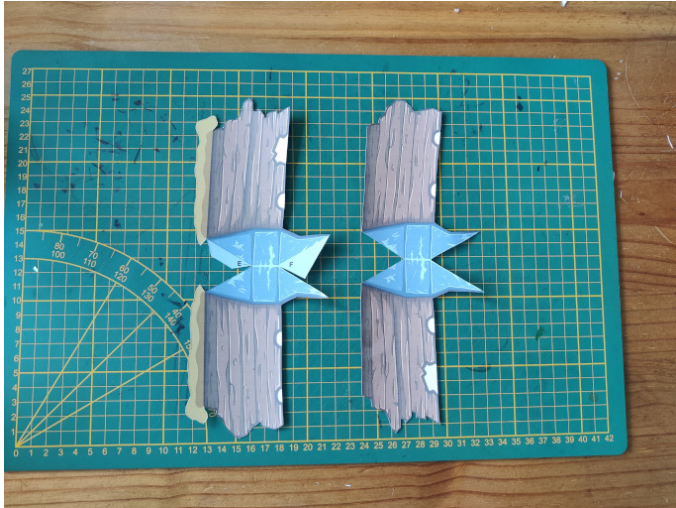


Apply glue on both backsides of each piece. Shove piece C over notch A and the mast.

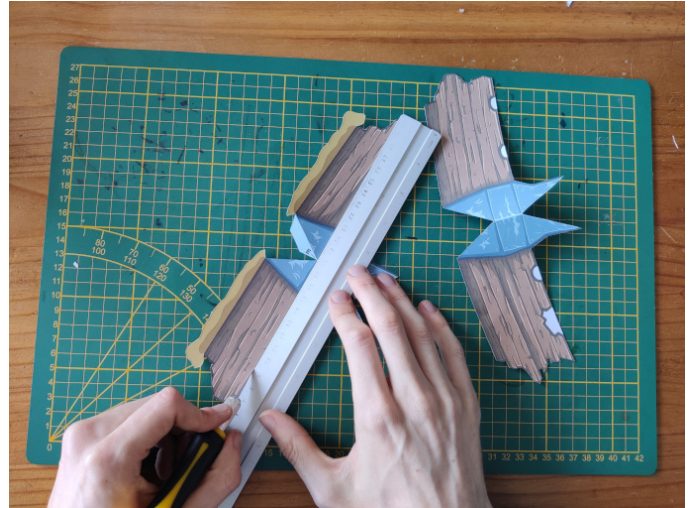


Put piece H1 and H2 on the notches of the B supports. You can decide which goes where.

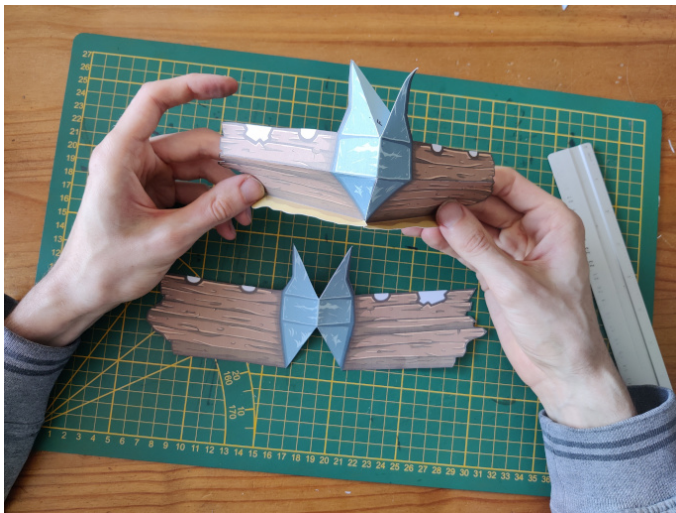
Hull



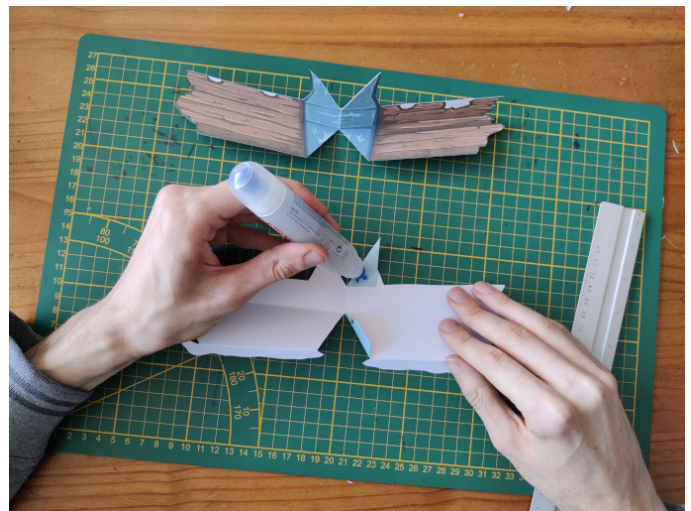
Cut out the hull (piece D). Make a crease along the dotted guideline towards the central point at G and E.



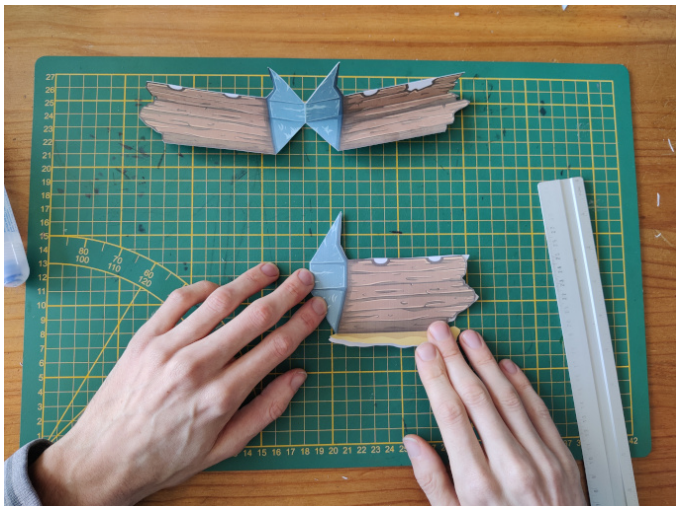
I'm using a knife along a ruler to lightly make a cut (not cutting through the paper) to force where the crease goes. Keep in mind this will expose the white of the paper. You can color that edge using a black or colored marker.



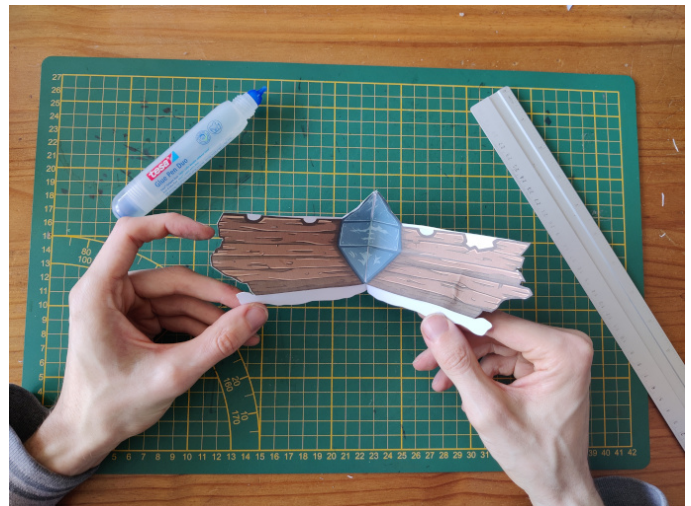
The shape should look as above.



Apply glue on the two tabs E and F in the center.

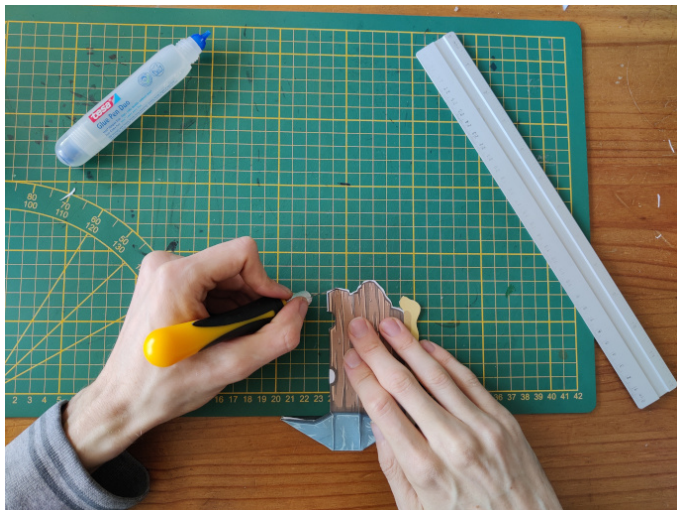


Fold the two hulls back to back to make sure the tabs paste on the right position when it is folded flat. When



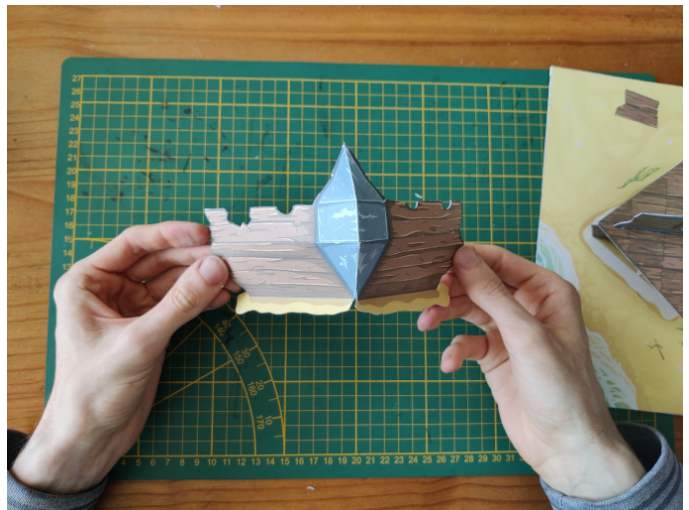
Put the back piece D' inside the hull piece D. This part may be a bit tricky. I advise to apply glue on one side

you open it again, the shape should have a curved shape.

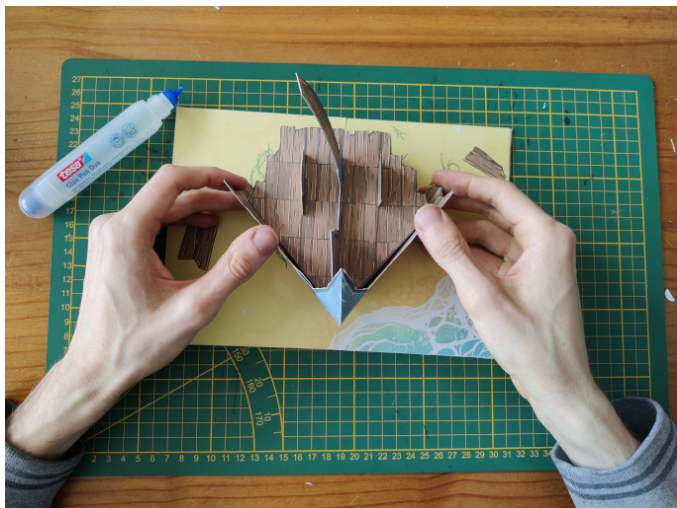


To cut away any white parts after glueing the back piece, shift it over the cutting mat to not accidentally cutting into the other side.

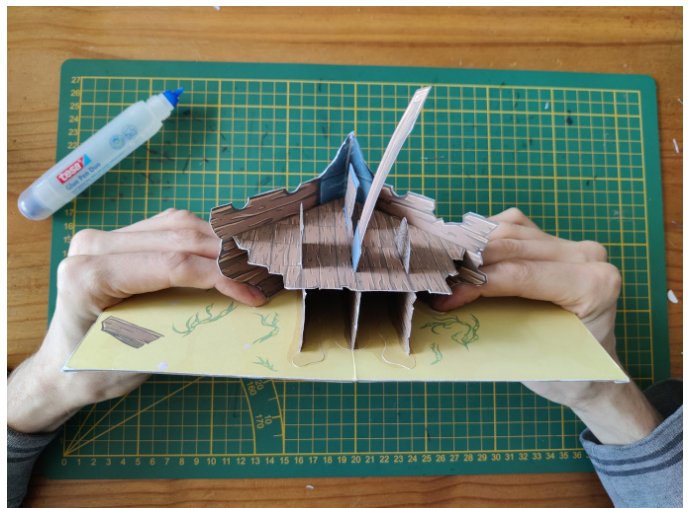
at a time. Fold it close and open repeatedly to ensure nothing strains.



The hull should now take on a 'rounded' shape. The two sand tabs should point outwards.



Paste the sand tabs on the ground, matching the indicated diagonal tab shapes.



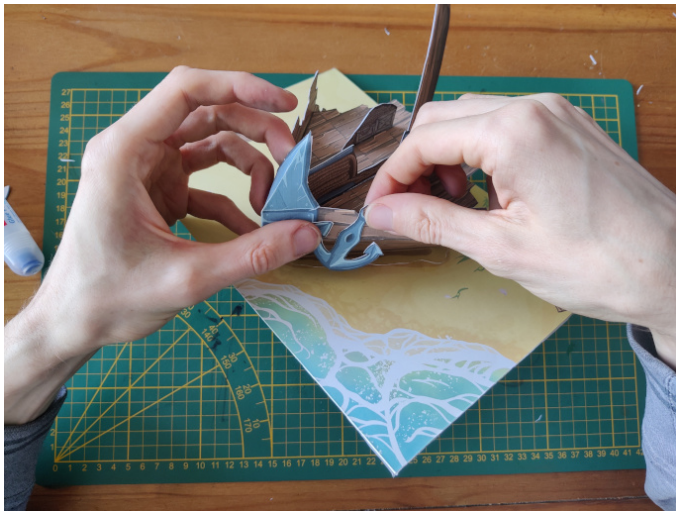
It may take some practice and testing to get it tightly around the supports and deck and match the indication on the ground.



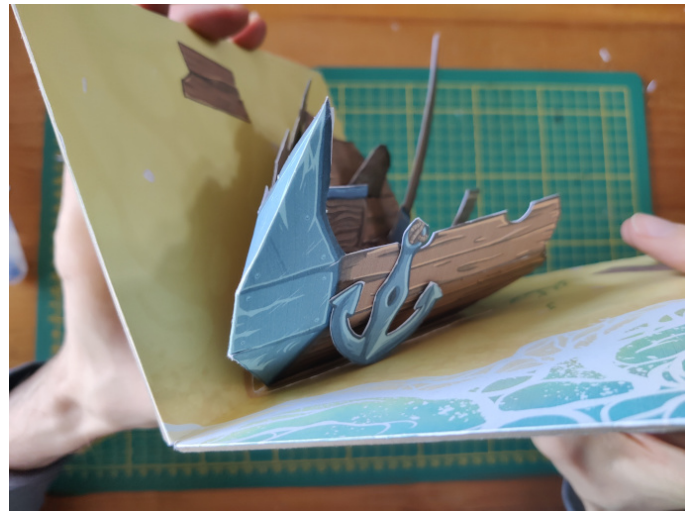
Close the pop-up to see if all works correctly. (The image shows the hull sticking out a littlebit. This was a test build and has been fixed!)



Cut out the anchor and paste it back to back.

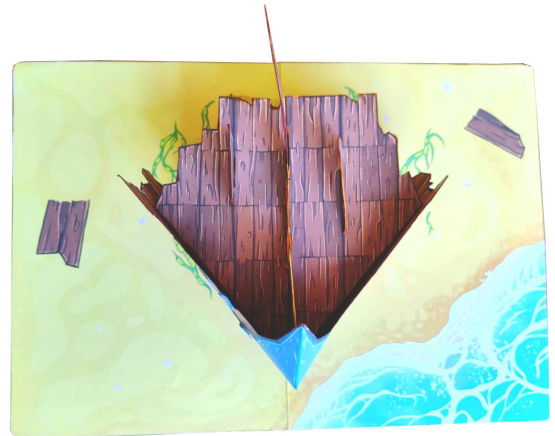


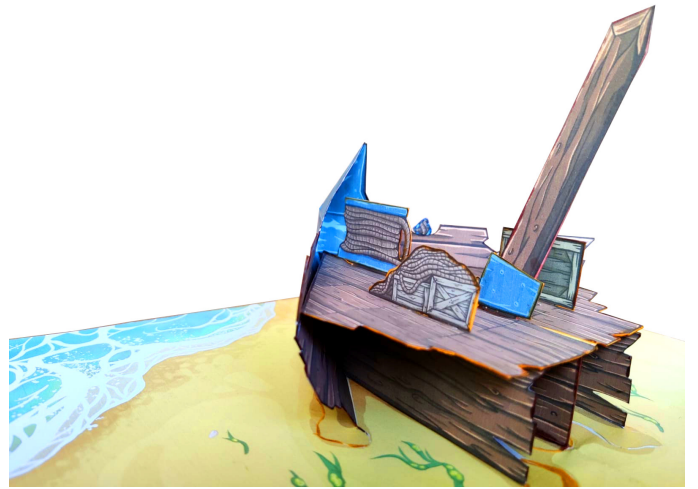
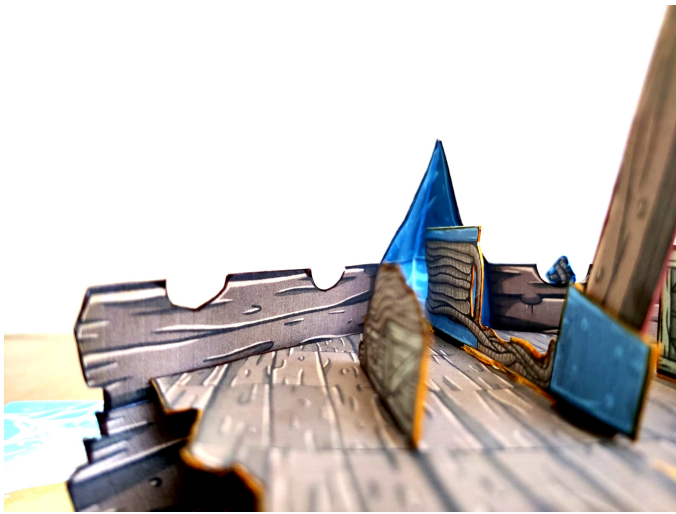
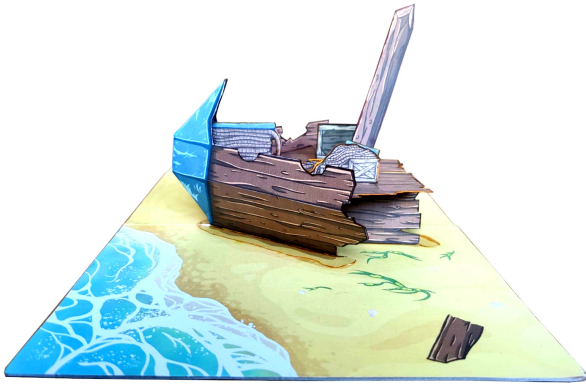
The anchor can be pasted anywhere on the side of the hull, but don't paste it too low.



Be sure that the anchor does not get stuck with the ground and bends. It should shove to the inside.

Finished shots





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