

Design Challenge



Extraordinaire: The Wizard
Design Project: A Timekeeper

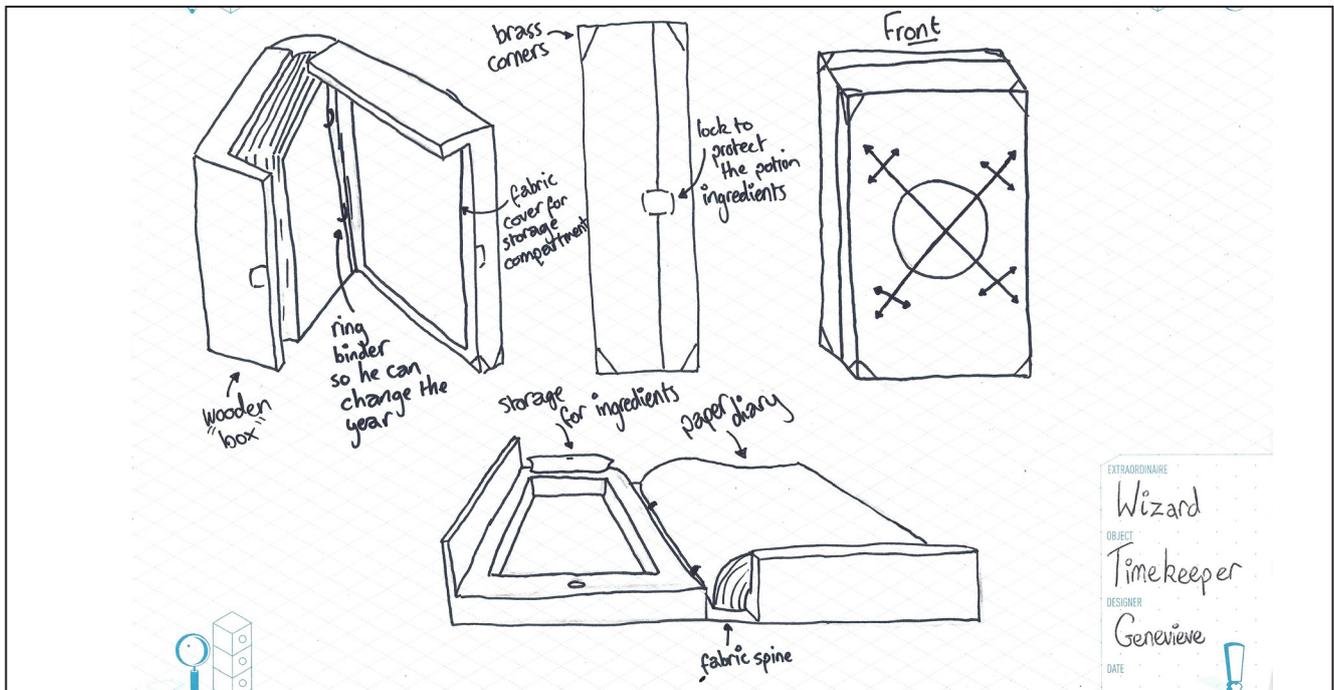
About the Extraordinaire

Being over 800 years old, wearing robes decorated with magical runes, The Wizard practices the art of potion making and studies the arcane. He spends his free time travelling to collect the rare ingredients he needs to complete his potions, aided by an enchanted walking cane.

The Wizard isn't just an old man however. As well as studying ancient arts, he also keeps books about modern chemistry and physics. He makes a living providing special effects for movies using his magic.

Designing for The Wizard means taking old and traditional styles and blending them with the new. Any invention for The Wizard should reflect that he has lived for a very long time, and doesn't show any signs of slowing down. It should be able to stand the test of time, just as our client has.

Design Solution: The Arcane Journal



Materials

- A ring binder
- Two pieces of fabric roughly the size of the front of your ring binder
- A piece of fabric slightly larger than the spine of your ring binder
- Fabric glue
- Cardboard
- Kraft/Wrapping Paper
- Double-Sided tape
- Masking tape
- Tape
- Scissors
- Velcro
- PVA glue
- Paints and decorations!

Procedure

1. Firstly, take your binder and measure the distance between the inside of the front cover, and the inside of the back cover when they are parallel, as well as the height and width.
2. Using these measurements cut out three cardboard oblongs, which should fit into the open sides of your binder and create a cuboid shape.
3. For each oblong mark out a line roughly $\frac{3}{4}$ of the distance up from one of the long edges. Cut along this line, forming two thinner oblongs and using plenty of tape, attach them to the edge of your binder.

You should now have that cuboid shape mentioned in step 2!

4. Now that you have the exterior shape for your journal, it's time to focus on the interior. Take the shortest height of your oblongs, and cut out two more, which should fit either side of the rings in your binder.

Before you tape these in place remember that the rings still need space when you close the journal. Make sure that your oblongs are a distance away from the centre to prevent things from catching.

5. Next you need to make two picture-frame shapes from cardboard, which will sit on top of the structures you just created. Tape these in place.

Similar to how you created the exterior structure of the journal, I recommend you create interior structure to the "picture frames".

6. Take your Kraft/wrapping paper and using plenty of double-sided tape, cover your journal inside and out.

Don't be afraid to cut off and add pieces of paper as you go. The aim is to cover everything but the rings in paper, so add your own flair; for example, I chose to cut diagonal edges where ever two paper edges met.

7. Take another length of cardboard and cut out 12 right angle triangles of roughly the same size. These are going to form the corners of your journal.

The size of these triangles will depend on the size of binder you use. They should mirror the edges of your journal.

8. To make your corners take one of your triangles and place it on a flat surface. Taking a second triangle, hold it vertically on the first so that the points which make right angles and the two adjacent sides touch. Secure these together with masking tape. Place the right angle edge of a third triangle against the other two, and tape in place to form a corner piece. Repeat until you have four and paint.

I chose to paint them a gold/brass colour to match the paper I wrapped my journal in! Once they are dry, you can glue your corners on using PVA.

9. Time to get out your pieces of fabric. Lay your two larger pieces over the storage spaces in your journal. Fold over the edges of the fabric to cover just the protrusion and use the fabric glue to stick these edges to the rest of the fabric – creating a hem.

If you have access to one, using a sewing machine to create a hem looks much better, however the glue works fine as well. Creating hems are important to make sure the fabric doesn't unravel.

10. Once the glue is sufficiently dry, proceed to glue the bottom of your fabric panels to the outside of the storage spaces. Use the Velcro to attach the rest of the fabric to the storage space.

11. Make a hem on your other piece of fabric, using the inside of the spine of your binder as a reference. Cut small slits for the rings and proceed to glue the fabric to the spine.

12. Now you can decorate your journal!