

How to make...a mini crankie!

Suitable for ages 7+ with adult supervision

For the crankie box:

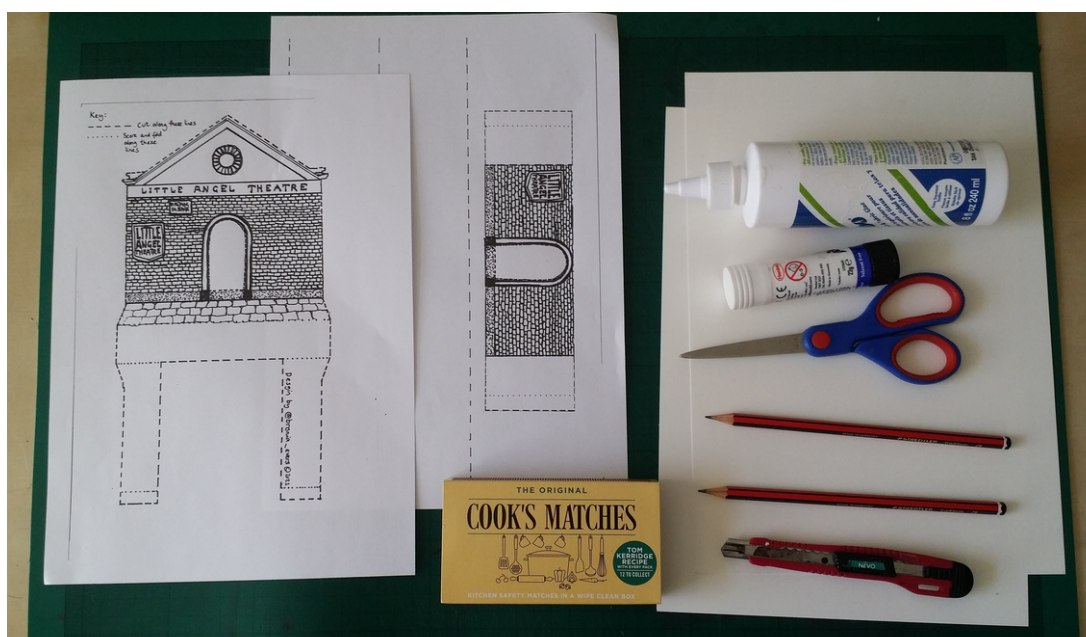
- 2 x pieces of A4 card
- 2 x pencils, at least 12cm long
- Craft knife
- Cutting board (or use an old bread board, or a thick piece of card)
- PVA glue
- Ruler
- 'Magic' clear scotch tape (ideal), or sellotape.
- Biro- type pen, or a sharpie
- Blu tak
- 1 large 'Cook's' matchbox (Dimensions of matchbox: 12x6.5x2.5cm. The 'Cook's' matchbox brand shown in the photos is the correct fit for this template).

For the crankie scroll:

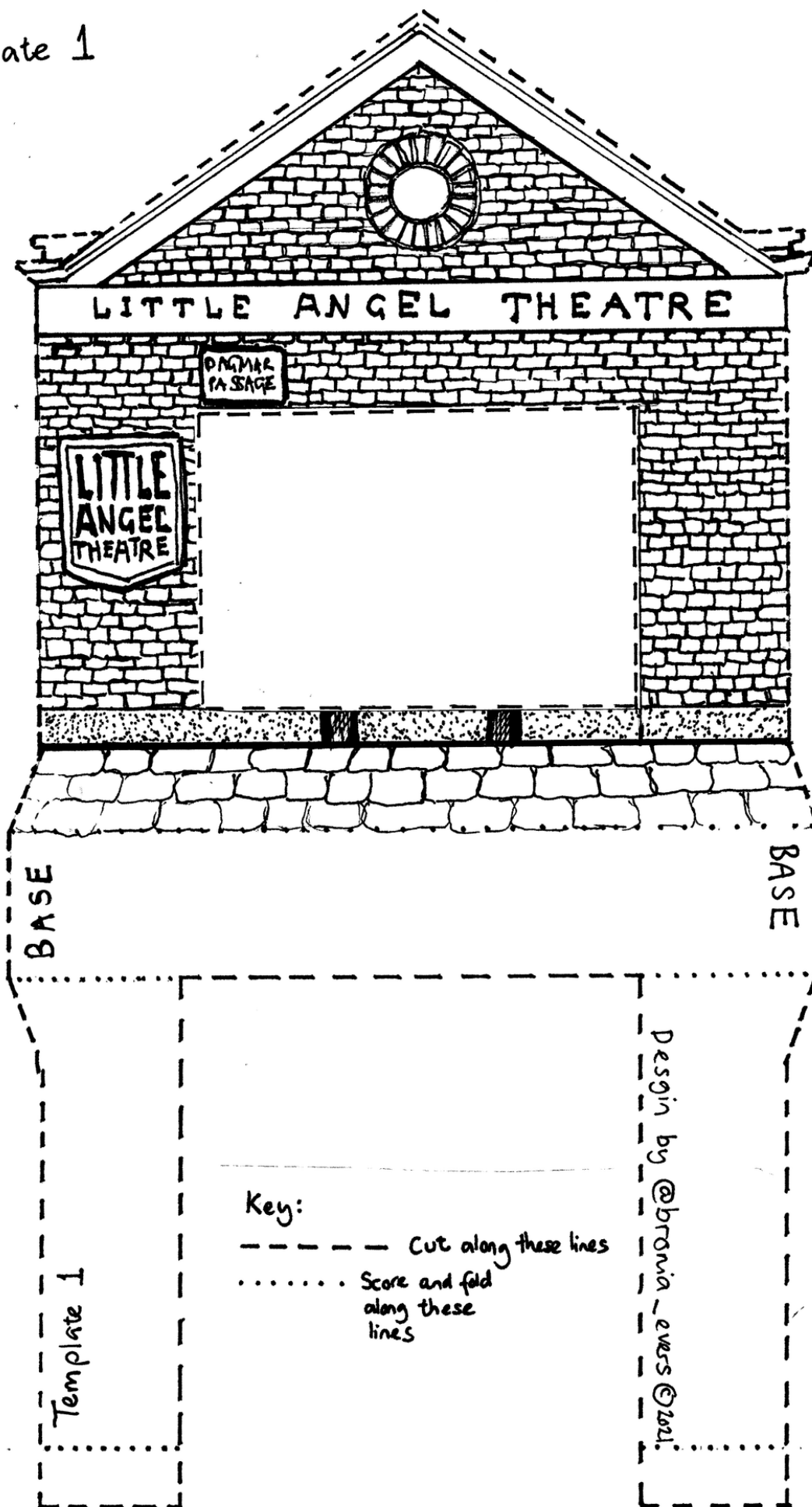
- Pens, pencils, felt tips or paints of your choice

Let's get started!

You may need to ask a grown up to help you with the cutting out.

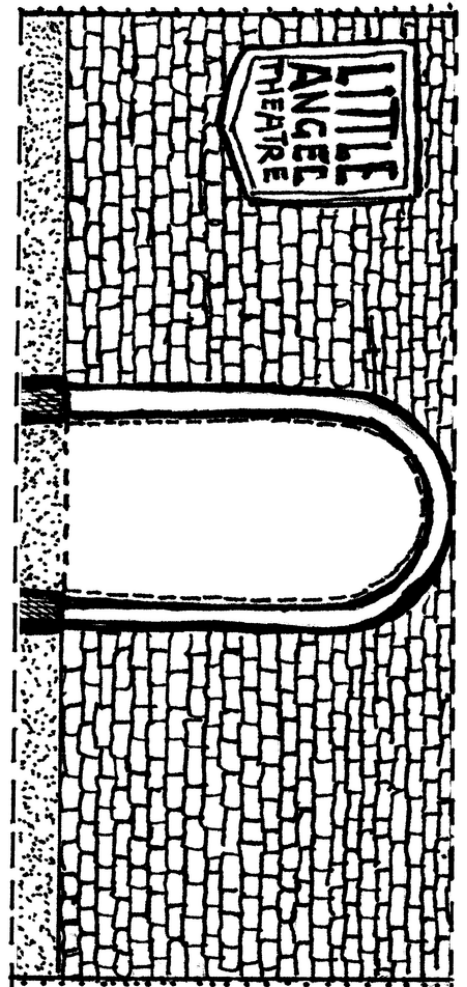


Template 1



Template 2

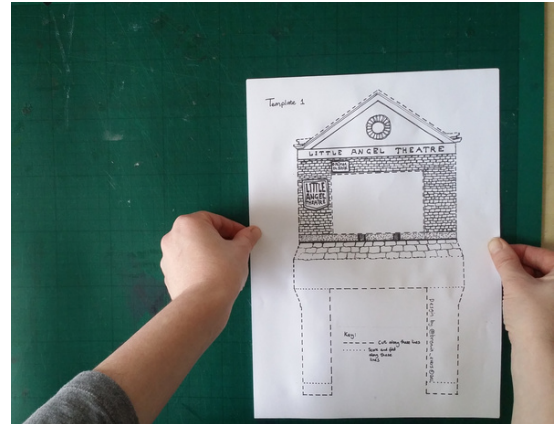
Template 2



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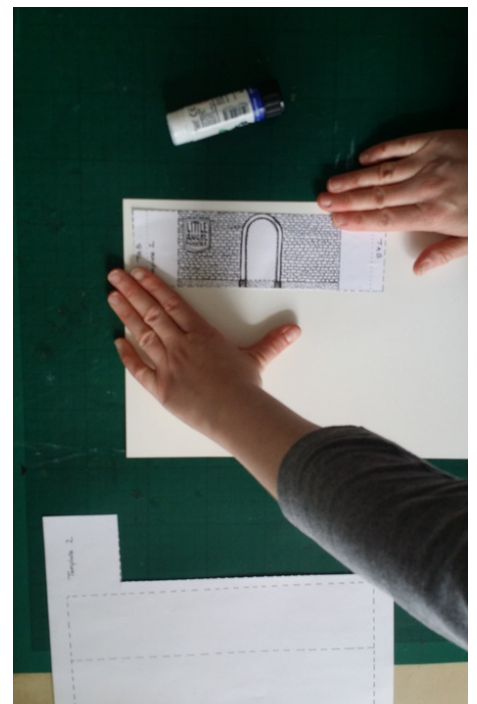
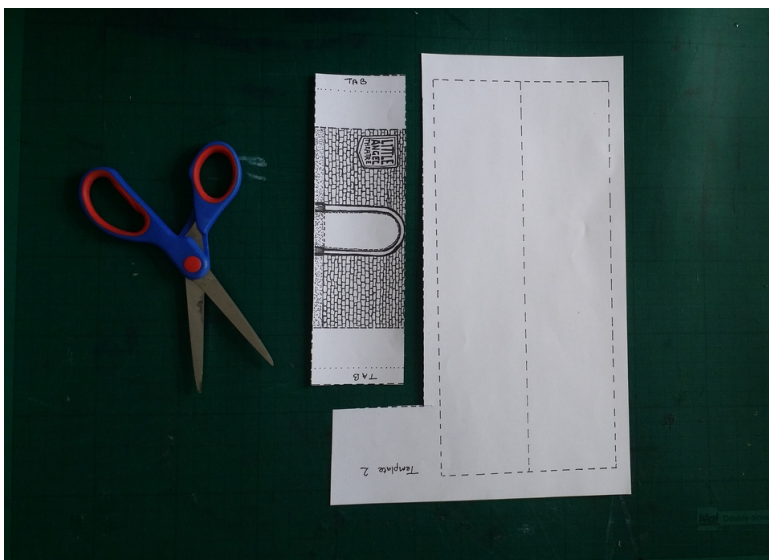
Step 1:

- Print out the two templates. Carefully stick Template 1 on to a piece of thin card, using pritt-stick. Make sure you glue around the edges of the shape on the template.



Step 2:

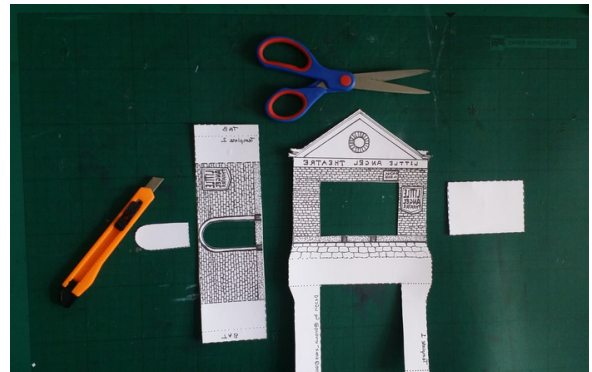
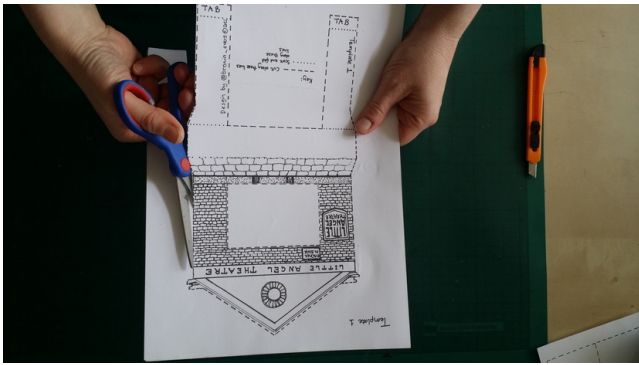
- Cut out the 'theatre front' rectangular section from Template 2 and stick that on to thin card as well. Keep the rest of the paper Template 2 for later, you will use it to make your scroll (do not stick it on card!).



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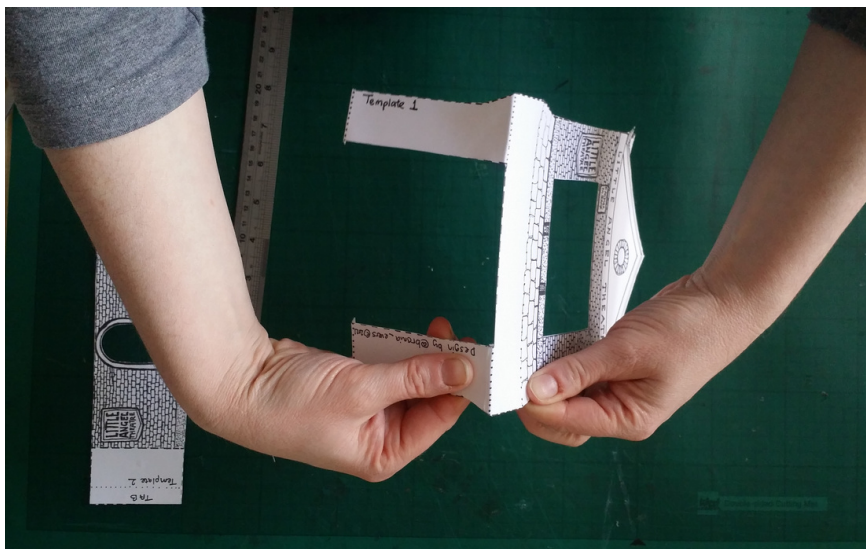
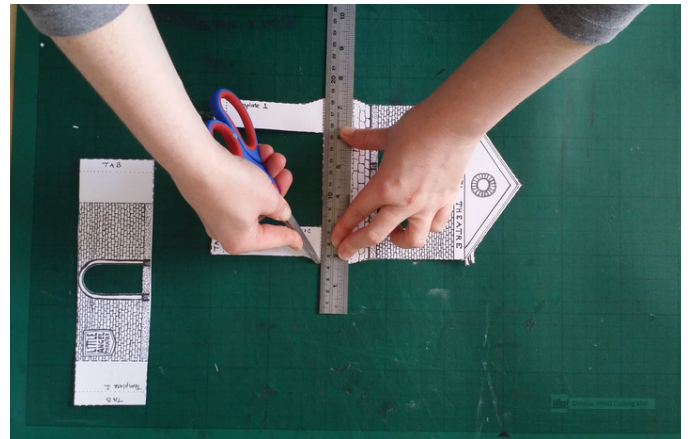
Step 3:

- 3. Look at the key that is drawn on the templates - you will see there are two types of lines. Cut along the broken 'dash-dash' lines to cut out the two shapes. Make sure you cut out the rectangle in the centre of Template 1, and the door shape on template 2.



Step 4:

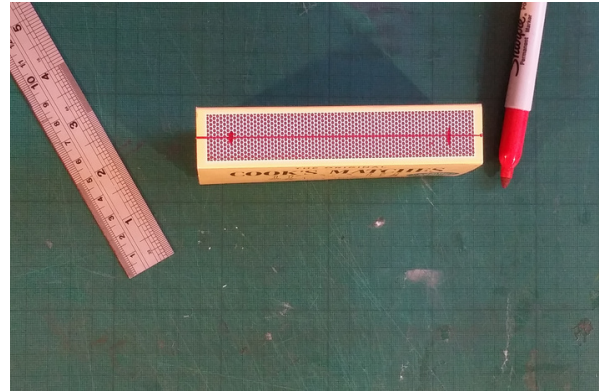
- Now score along the dotted lines on both pieces, using a ruler and the blunt edge of the scissors. Fold along the score lines - first, fold them towards you. Then fold them away from you.



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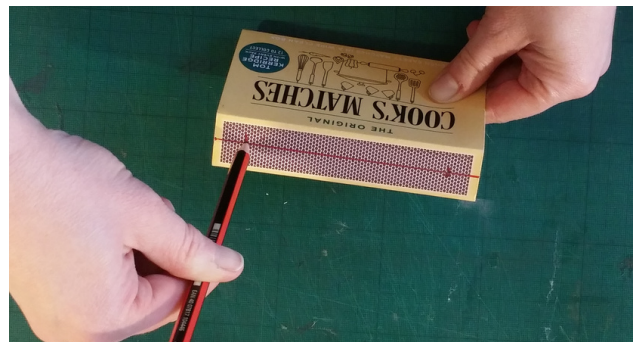
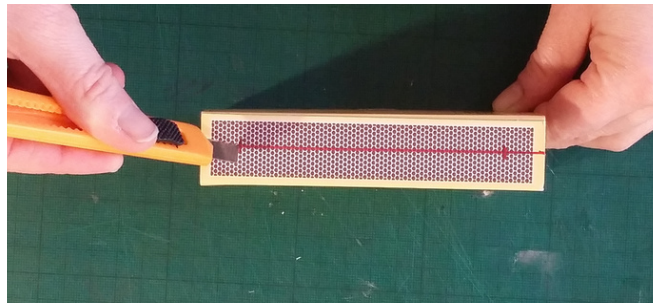
Step 5:

- Remove the inner part of the matchbox - you will only need the outer sleeve.
- Mark a line along the centre of the top side of the matchbox sleeve.
- Now mark a point that is 1.5cm in from the edge of the sleeve on each side.
- Turn the match box over and repeat on the opposite side.



Step 6:

- 6. With help from an adult, use the point of the craft knife or a drawing pin to start making a hole where you marked the dots on both sides of the matchbox.
- Once the hole is started, you can gently make it bigger by twisting a sharp pencil into each of the four holes. The hole should be a snug fit for the pencil, so that it doesn't fall through the hole but it can twist easily.



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Step 7:

- If you would like to colour or decorate your theatre front pieces in any way, it's best to do it now, before you stick everything together!
- Alternatively, you could leave the theatre front in black and white, which can make a nice contrast to a colourful scroll inside.



Step 8:

- Take your Template 1 theatre front and turn it over so that the back of the template is facing you.
- Using a ruler, draw a line across the back below the rectangular window, as shown in the photo (the line you draw should be in the same position as the thick black line that is already printed on the front of the template).



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Step 9:

- Position the matchbox sleeve on the back of the template, with the bottom edge of the sleeve against the line you drew in step
- Make sure the matchbox is centred (there should be about 0.5cm overhang of the template on each side). Mark the position of the matchbox on the template with a pencil line.



Step 10:

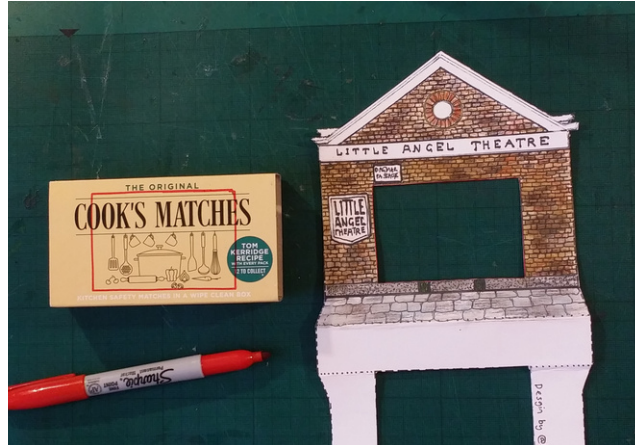
- Temporarily tape the matchbox to your Template 1 in this position so that the doesn't slip about.



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Step 11:

- Now turn everything over so that the matchbox is on the back, and you can see the theatre front drawn on the front of Template 1.
- Use a biro or a sharpie pen to draw through the outline of the rectangular hole on Template 1, on to the matchbox. Now you can remove the temporary tape and separate the matchbox and the template.



Step 12:

- Slide a spare scrap of cardboard inside the matchbox sleeve to prevent cutting through both layers of the matchbox. Use a craft knife to cut out the rectangle on the front of the matchbox.
- Try to cut on the outside edge of the line you drew. This will make the hole on the matchbox slightly larger than the hole on the template, so that the matchbox doesn't show on the final design. Remove the scrap of cardboard.



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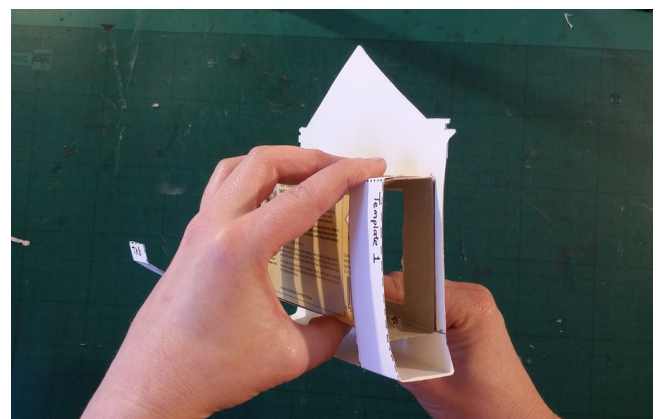
Step 13:

- Turn Template 1 over again so that the back is facing you. Apply a thin layer of PVA glue to the front of the matchbox.
- Stick the front side of the matchbox to Template 1, using the pencil lines you drew earlier as a guide to make sure you stick it in the correct position (see photo).
- The rectangles on the template and the matchbox should line up.



Step 14:

- Fold Template 1 into position around the back of the matchbox.
- Make sure the base of Template 1 is at a right angle to the theatre front, so that the base can stand flat on the table.
- Use PVA to stick in place on the back of the matchbox, folding the TABs over and gluing them to the top edge of the match box. Wait for the glue to dry.



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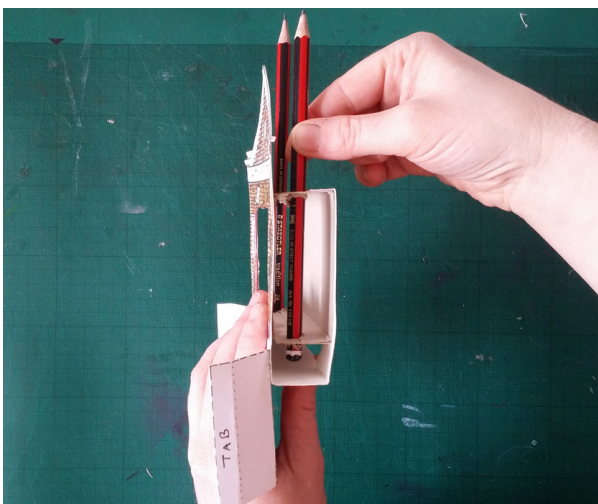
Step 15:

- Use scotch tape to create a hinge that attaches Template 2 on top of Template 1, so that template 2 can fold down to reveal Template 1 behind.
- Tip: you may find it helpful to stick tape on the inside of the hinge as well as the outside, to make the hinge stronger.



Step 16:

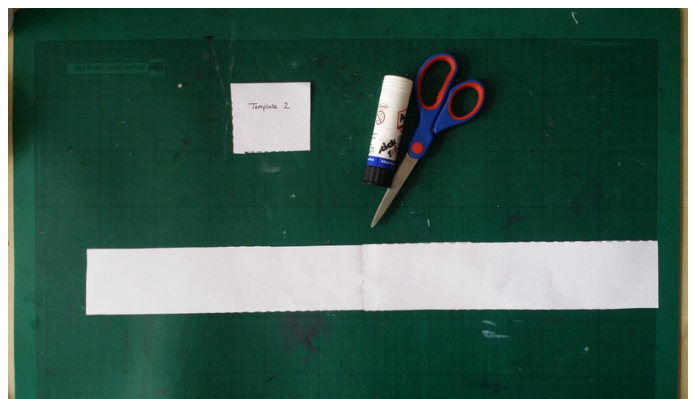
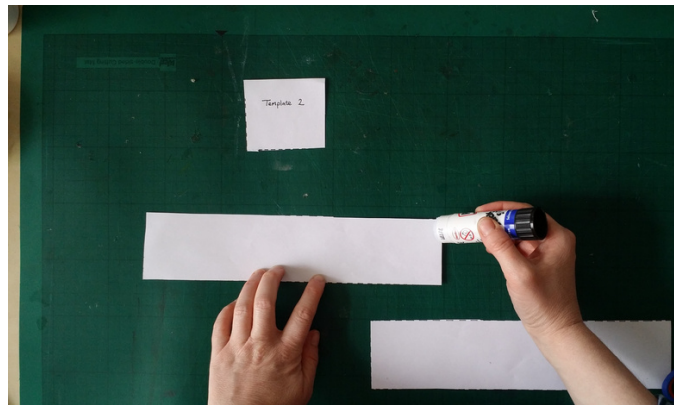
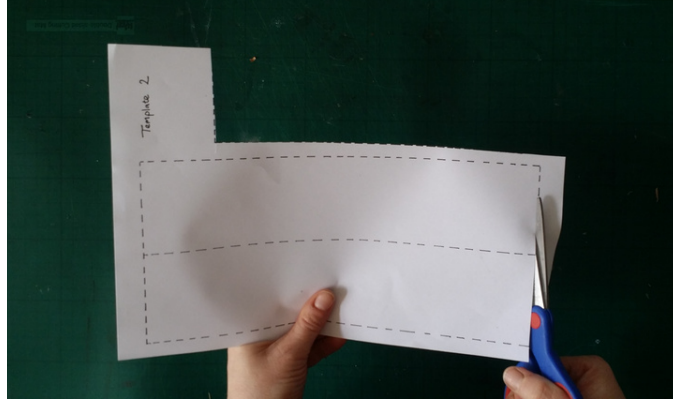
- Insert your two pencils into the matchbox, with the pointy end of the pencil at the top. The end of each pencil should stick out below the matchbox by about 0.5cm.



Making Your Scroll

Step 17:

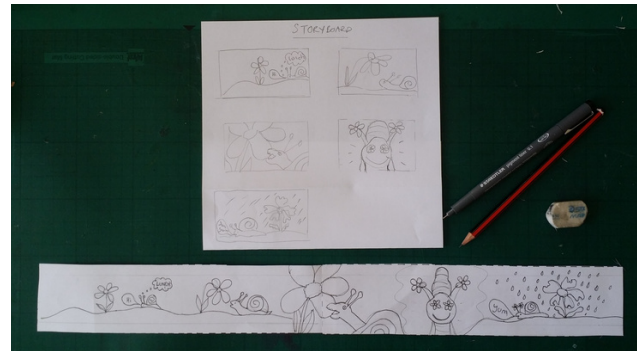
- Make your paper scroll by cutting out the two strips of paper remaining on Template 2 (do not stick them on to card!).
- Stick the two strips together to create one longer strip, using pritt stick.



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Step 18:

- Drawing your scroll:
- The possibilities for this are endless. You could invent your own story, or illustrate a story you know, maybe a fairytale, a poem, a song or a nursery rhyme.
- Tip: Remember that the top and bottom edges (about 1cm on each edge) will be hidden by the frame - so draw in centre of the scroll what you want to be seen!



It can be helpful to draw a rough storyboard first (think stick people) - so you know how many scenes you'll need. For a short 50 cm scroll like this one, aim for 5 scenes maximum. If the scroll isn't long enough for your story, add more strips or cut a piece of paper from a long roll. For a tiny crankie like this, approx 1 metre of paper is the maximum that will fit in the box.

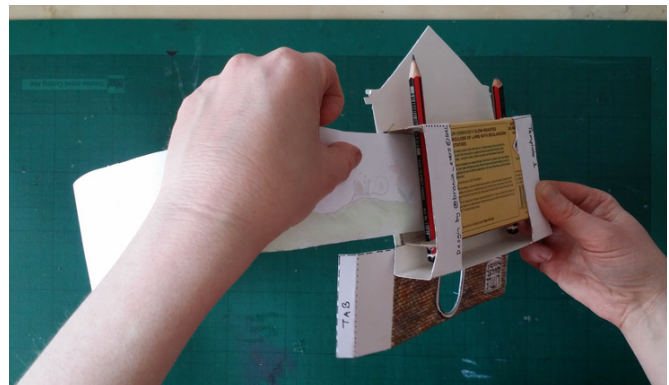
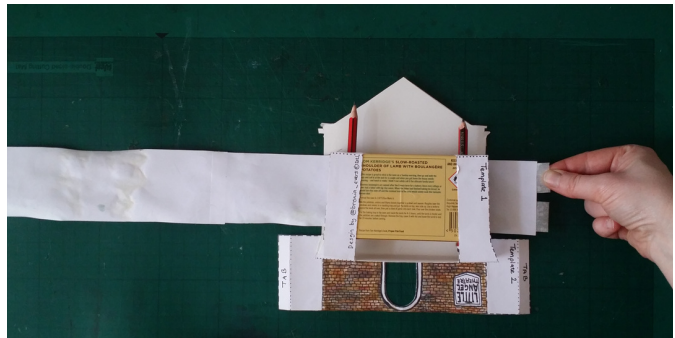
Thin, strong paper is best. Thicker paper will be more difficult to crank.

Alternatively, you could doodle and see what happens, rather than planning a story.

Putting It All Together

Step 19:

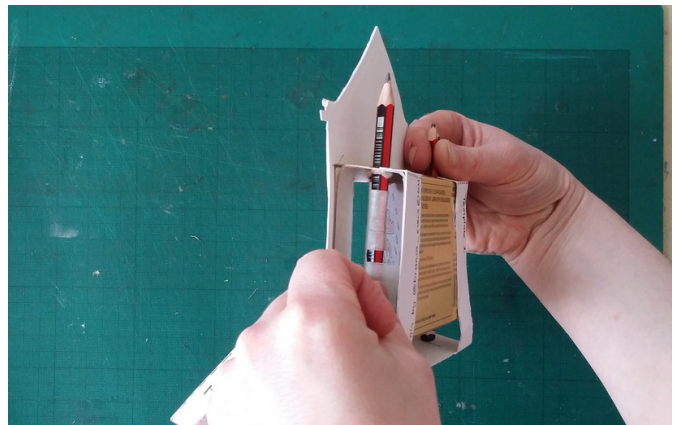
- Insert the paper scroll in to the box. This can be a little fiddly! Be patient, it'll be worth it....
- Position the crankie face down, with the front 'door' section folded open and down.
- Slide the beginning end of your scroll (with the pictures facing away from you) in to the matchbox from the left hand side towards the right hand side.
- Slide the scroll in front of the pencils until the paper pokes out on the right hand side.
- Stick 2 small pieces of masking tape on the end of the scroll that is poking out on the right hand side.
- Now pull the scroll gently a little way back inside the box and stick it firmly on to the pencil with the masking tape.



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Step 20:

- Twist the right hand pencil clockwise to wind the scroll on to it.
- When there is just a little bit of scroll left poking out on the left hand side, stick 2 more pieces of masking tape on to that end and use those to stick the end of the scroll firmly to the other pencil.



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Step 21:

- You are ready to crank! Gently turn both pencils in the same direction to move the scroll through the box. Practice telling your story as you crank. When you're ready, share it with a friend! You could even film your crankie story and send it to someone.



Step 22:

- NOTE: You can choose whether you want the theatre front 'open' or 'closed'. Maybe you could start with it closed and open it part way through the story? It's up to you.
- If you would like the theatre front closed, use blu tak or masking tape on the TABs on the back of Template 2 to keep the theatre front in place temporarily until you want to fold it down to reveal template 1 behind.



YOU'RE FINISHED!

We hope you had lots of fun creating your very own Crankie!!!



Please do share what you make with us, we would love to see!

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