

# Storybooks

## Learning Objective:

To experiment with a range of techniques to create moving mechanisms.





How many different types of moving mechanisms can you remember from last lesson?

You have one minute to list as many as you can with a partner!



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Today you will be having a go at making some of these different mechanisms.

You can use these techniques to make your own storybook.

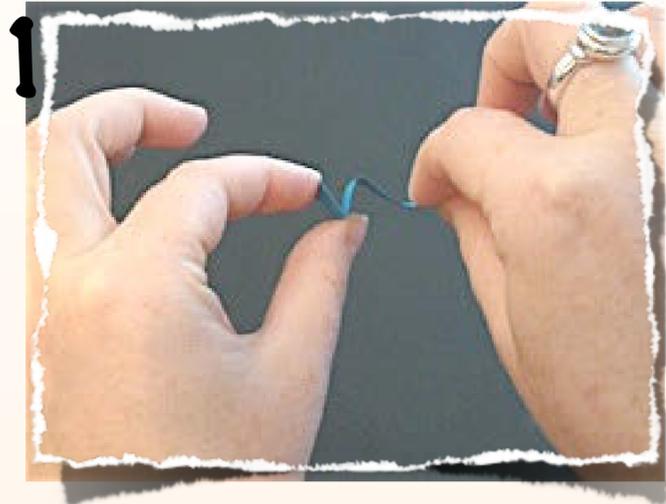
Let's look at how we can do this...

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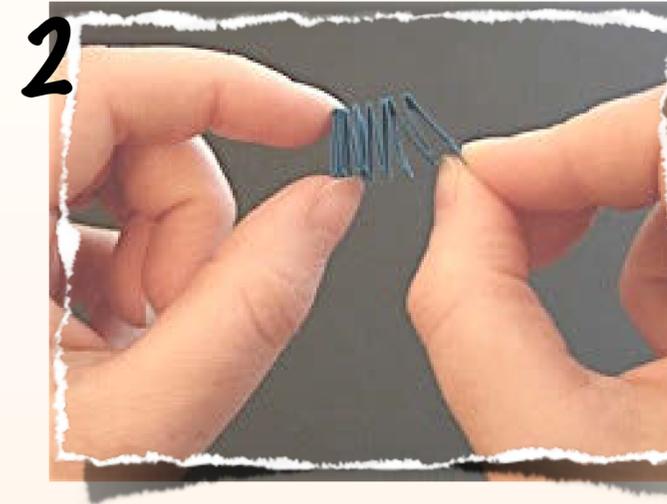


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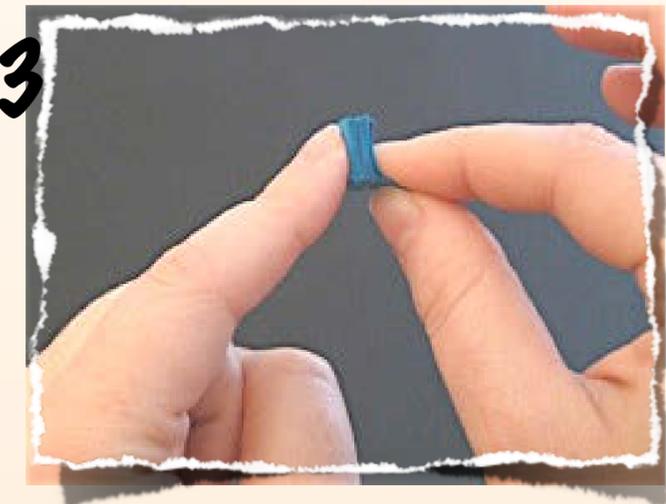
# Follow these steps to make a paper concertina.



1 Take a long strip of paper or card and fold it into squares, folding first one way and then the other.



2 Keep going until you have folded the entire strip.



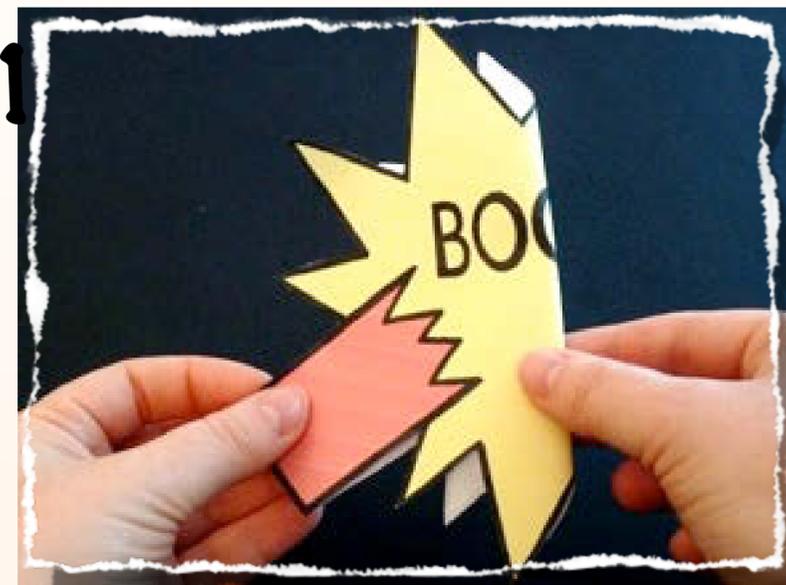
3 Push the folds together. This is what the concertina will be like when the book is closed.



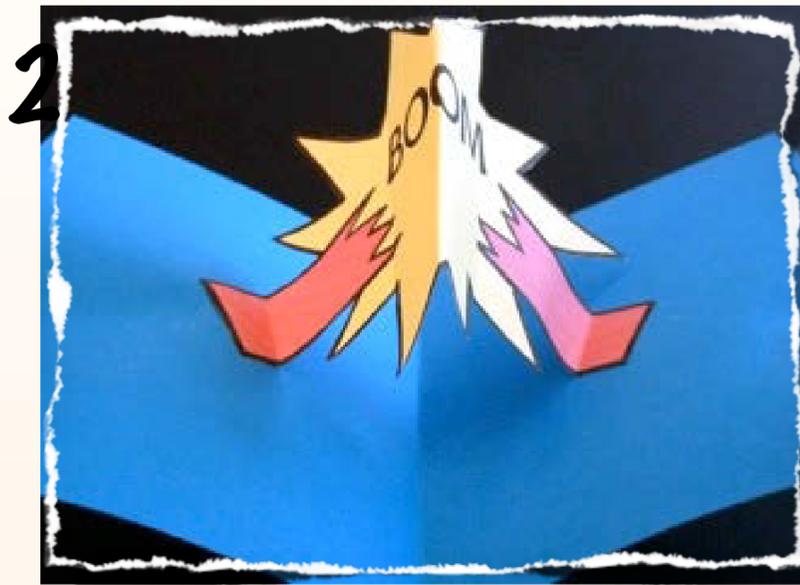
4 When the book opens, the concertina will spring out. You can stick objects to the end to jump out at the reader as they open the page.



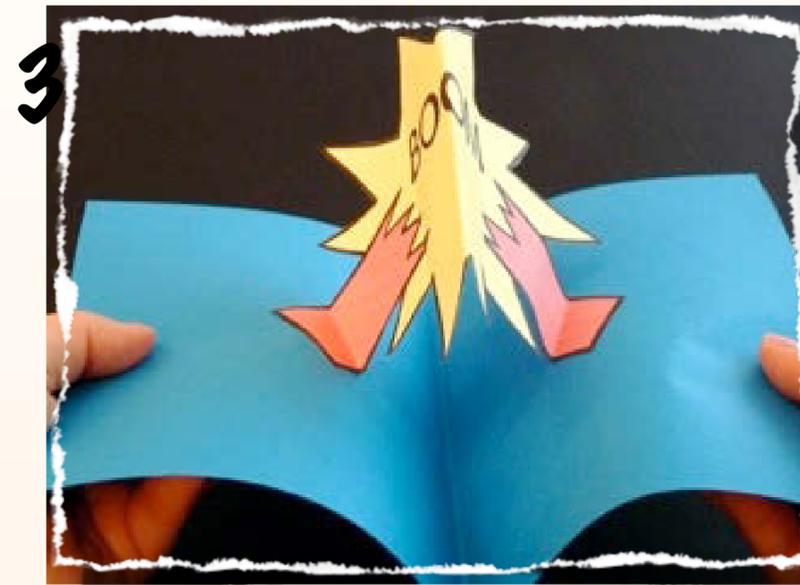
# Follow these steps to make a pop-out object.



Fold the object you would like to pop out in half.



Stick the two ends of the object between two pages of the book. Remember not to stick your object down flat.



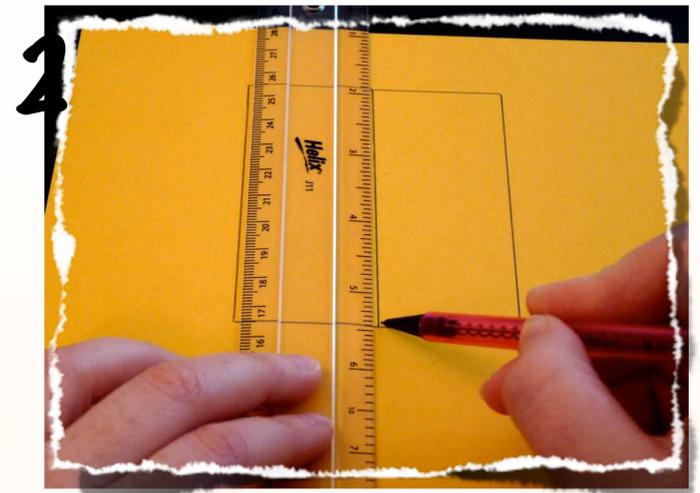
Make sure the object folds correctly so you can't see it when the pages are closed. When you open up the page, the object will pop out.



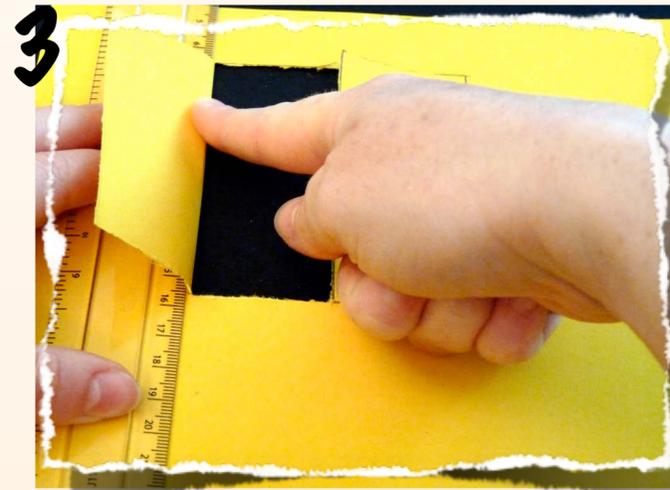
Follow these steps to make window flaps.



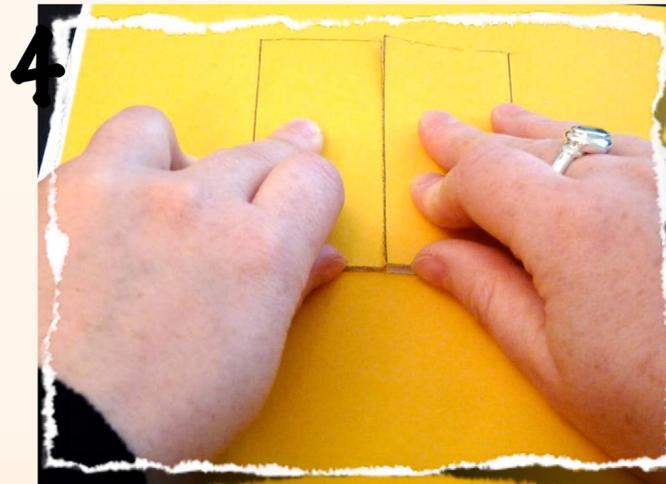
Draw and measure a box around the picture you would like to appear behind the window.



Draw a box the same size on a separate piece of card and draw a line down the middle where you want the window to open.



Carefully cut the top, bottom and middle lines with a craft knife or scissors, then fold back the left and right lines.



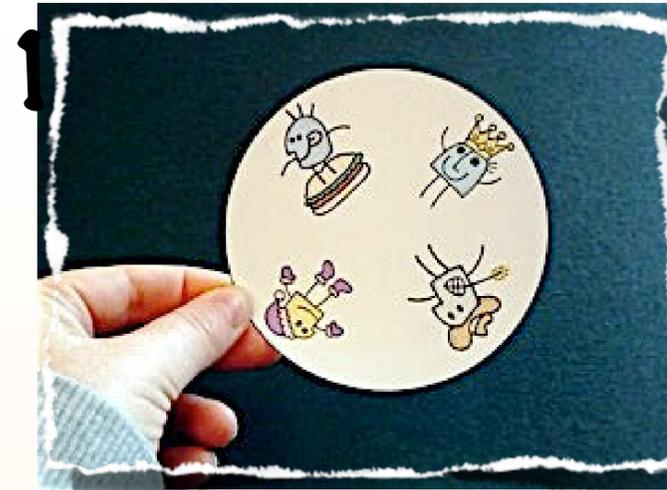
Place the window card over the picture, making sure you line them up properly.



Open the window flaps to reveal the picture inside!



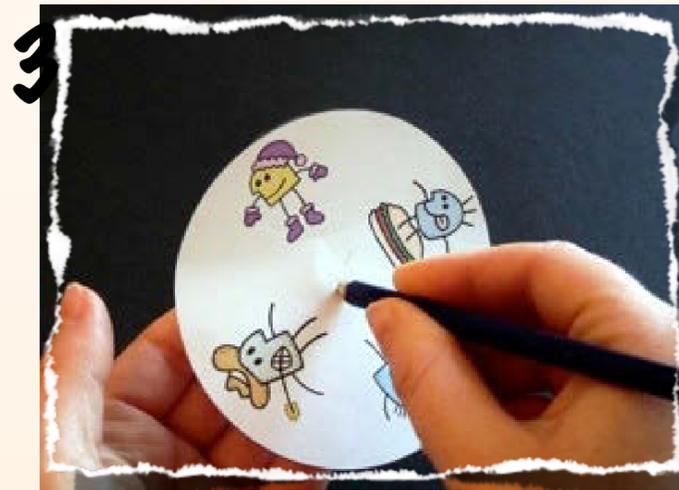
# Follow these steps to make rotating wheels.



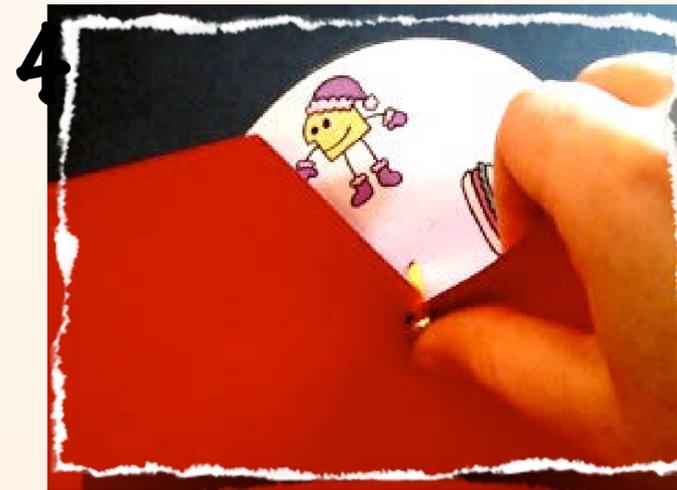
1 Draw some pictures on a wheel, making sure that the pictures will all be the right way round when the circle is turned.



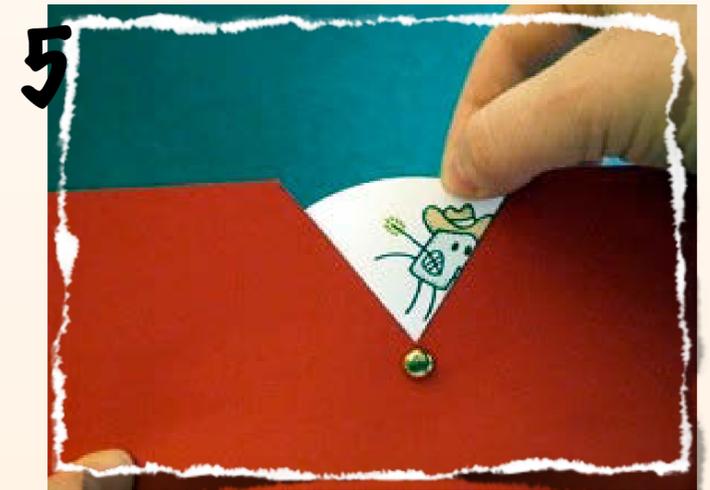
2 On a separate piece of card, cut out a window. This can be at the edge of the card or in the middle.



3 Pierce a hole in the centre of the wheel. Place a blob of blu-tack or plasticine underneath then pierce it with a sharp pencil.



4 Pierce another hole on the card then put a split-pin through both holes, opening out the pin at the back.

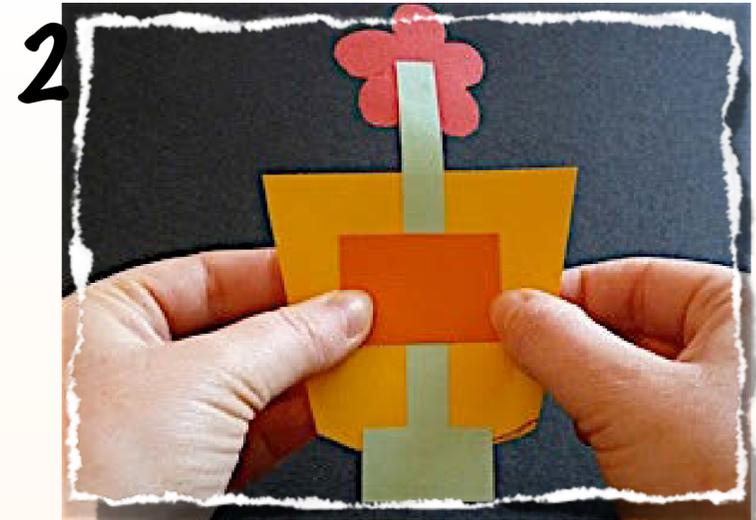


5 Now turn your wheel to reveal each of the different pictures.

Follow these steps to make a lever.



Stick a strip of card with a tab at the end to the object you want to be moved.



Attach it using another strip of card stuck by both edges so the lever can still move.



Pull the lever down when you want to hide the object.



Push the lever up when you want to reveal the object.

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What is the best way to join the mechanism pieces together and to the pages in a storybook?

Is it best to use glue?  
Masking Tape?  
Sticky Tape?  
Paper clips?



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Which mechanism was the  
easiest to make?

Which was the hardest to  
make?

Why?



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