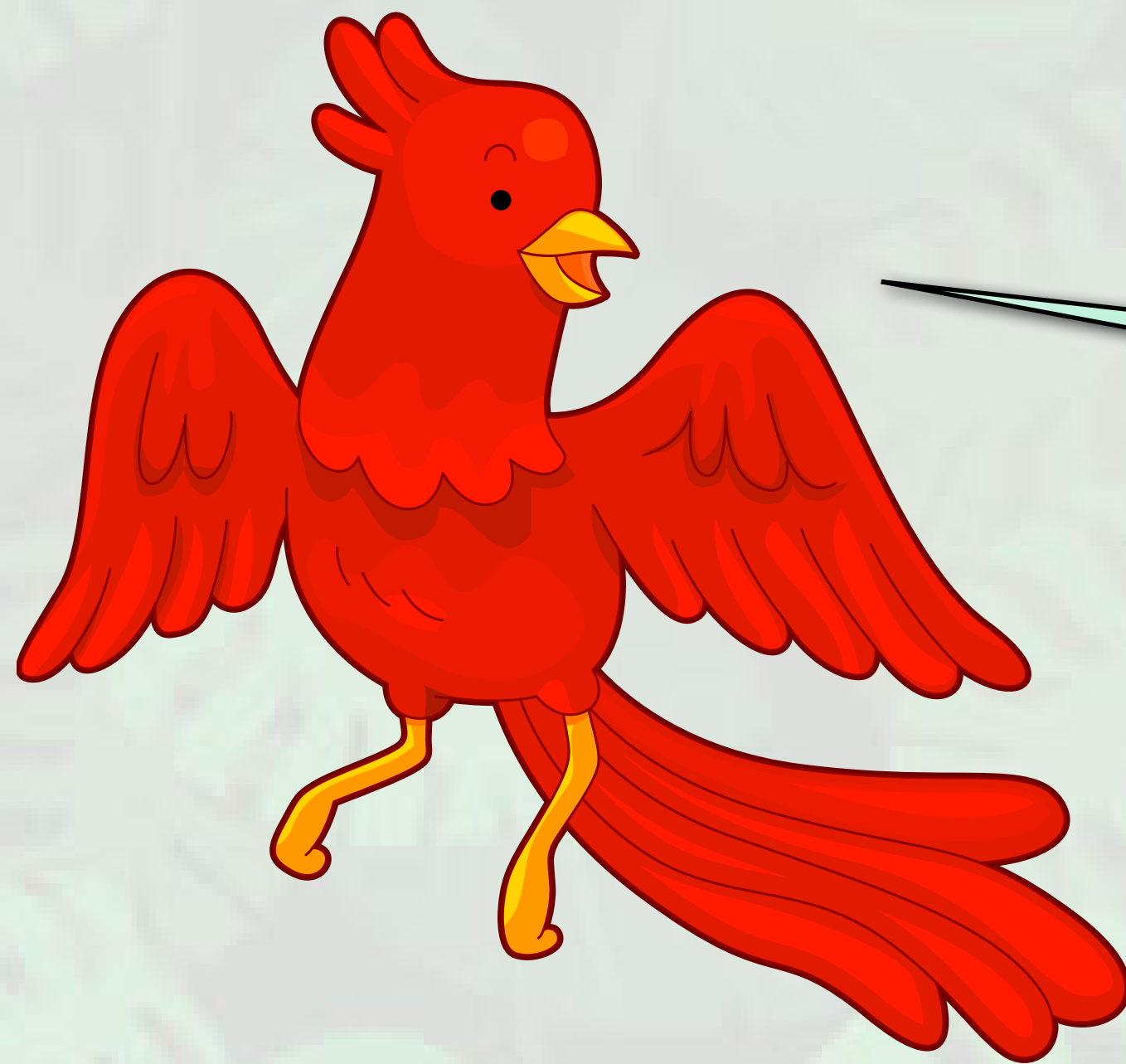


The Rainforest

Learning Objective:

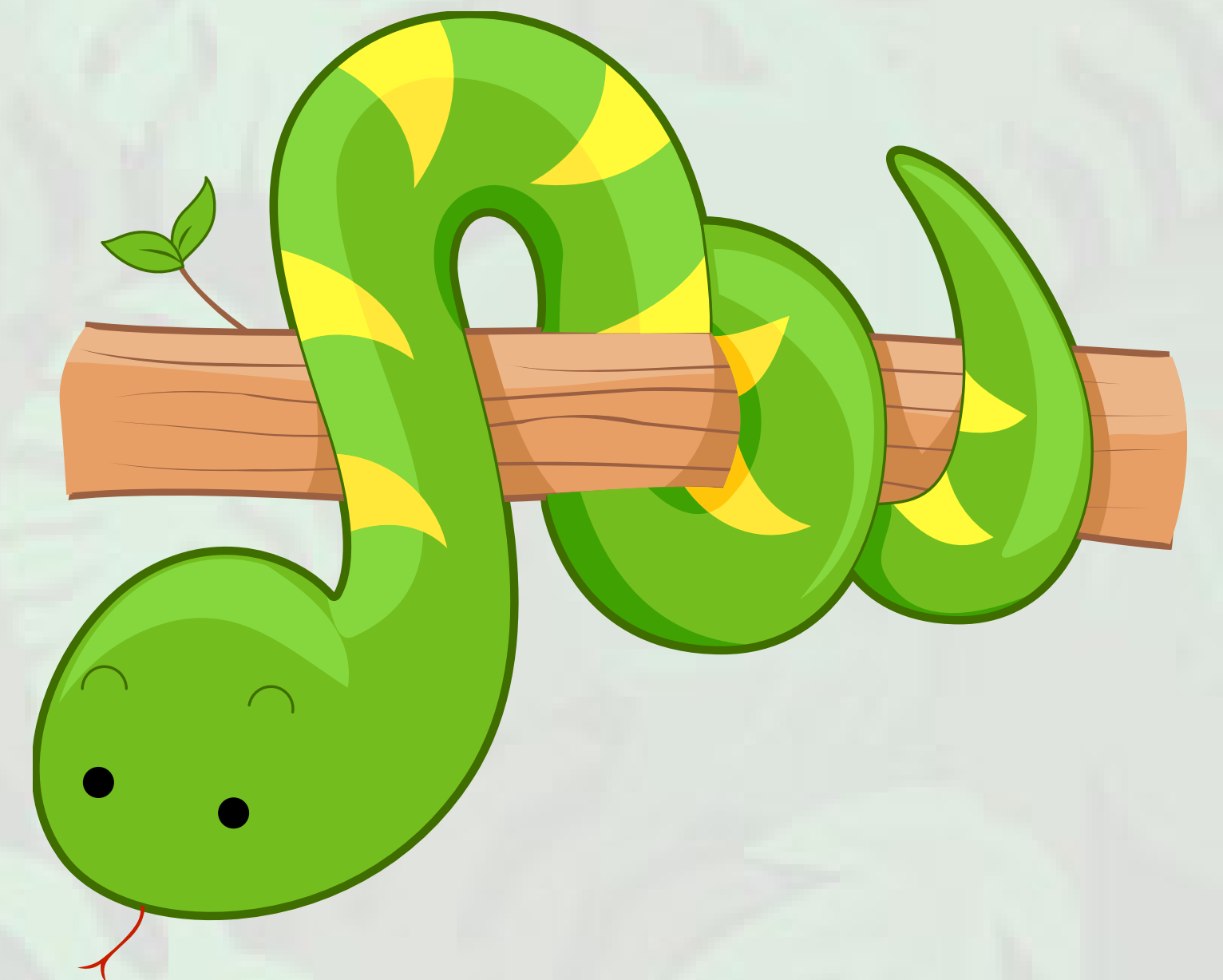
To be able to design, make and evaluate a rainforest information book with moving parts.





Have you ever
read a book that has
moving parts?

What did the
moving parts do?



Today you will be designing, making and evaluating a moving information book about the rainforest.



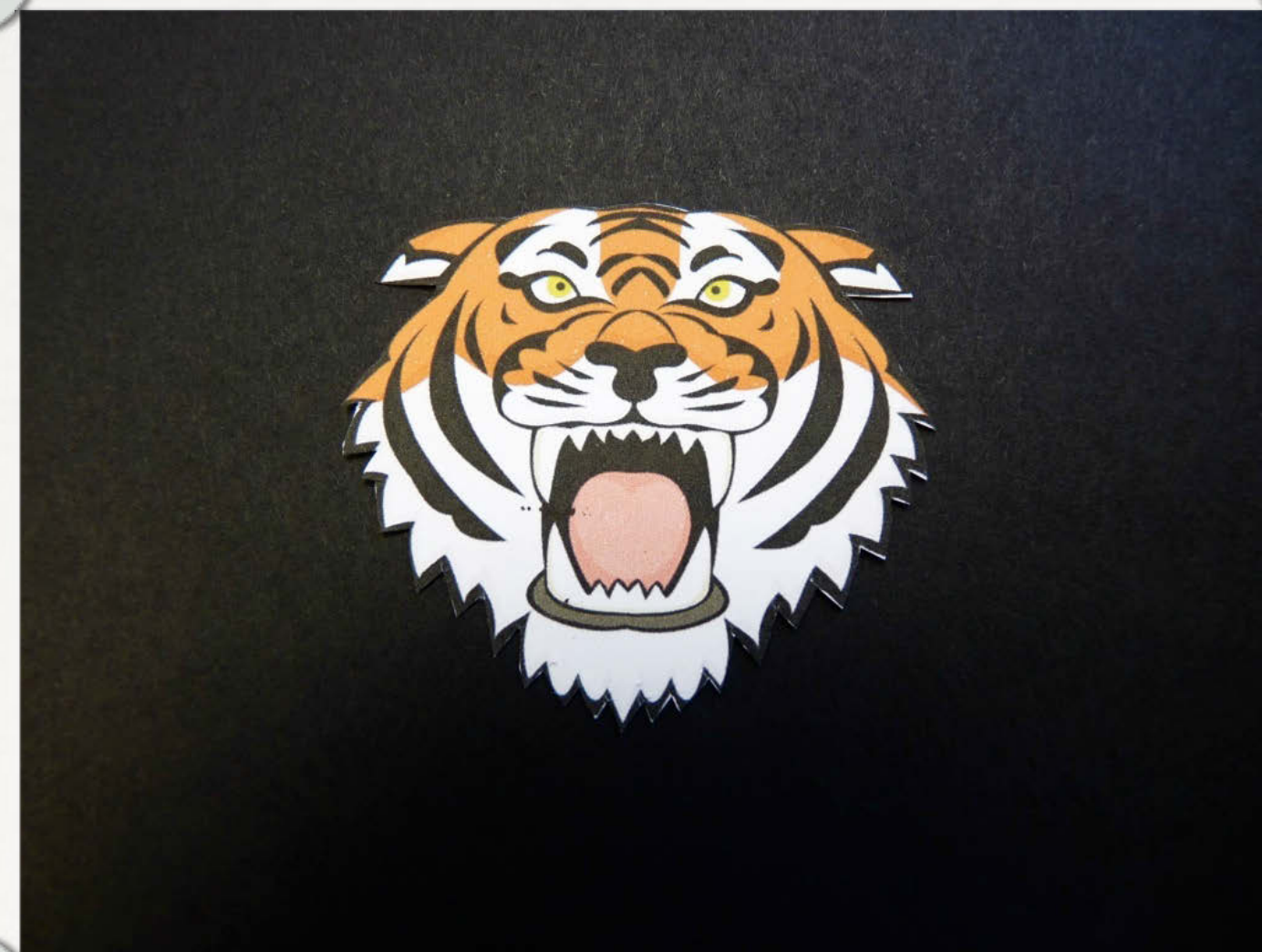
Can you think of any ways you could create moving parts in an information book?

Think, pair, share your ideas.

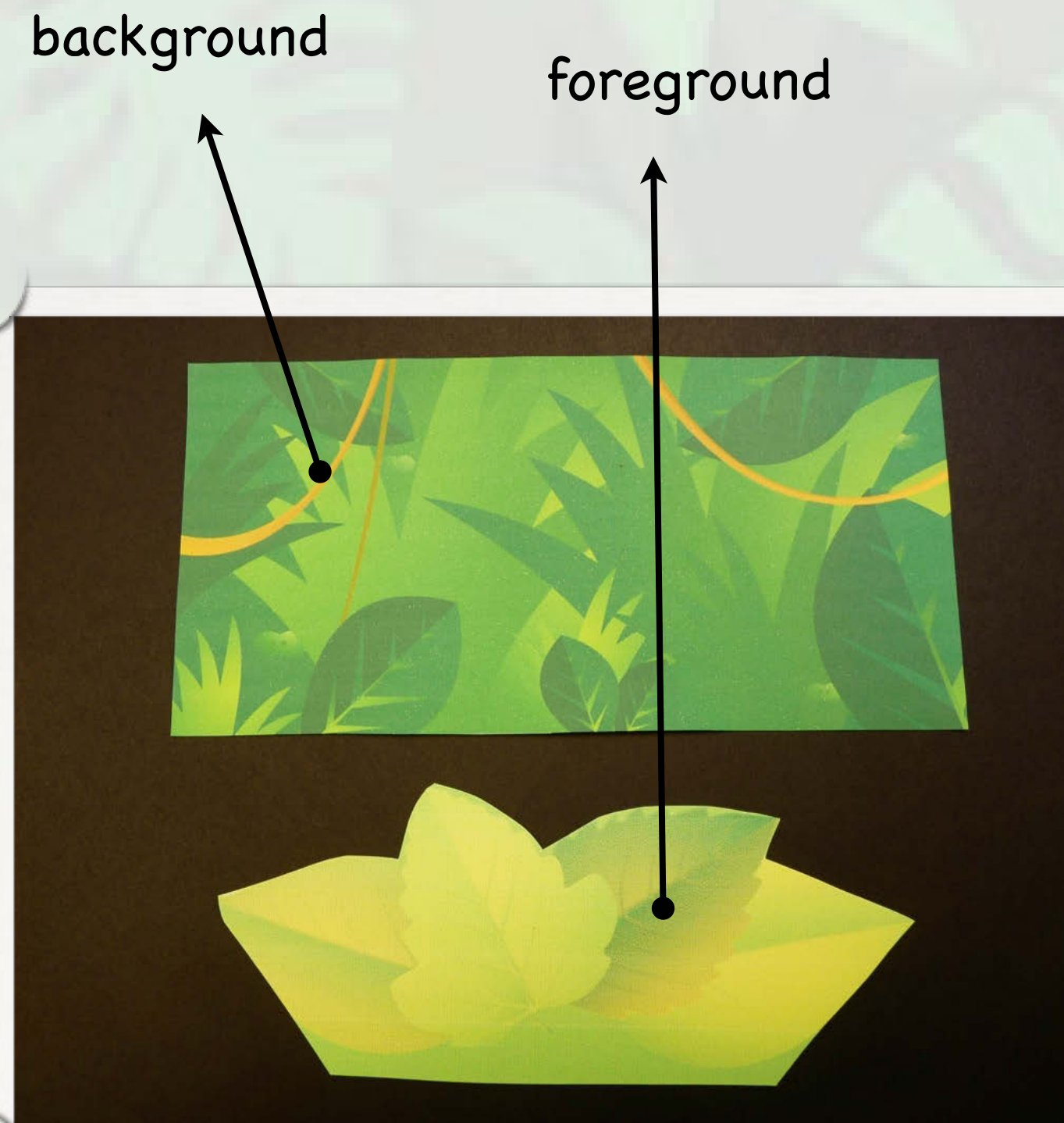
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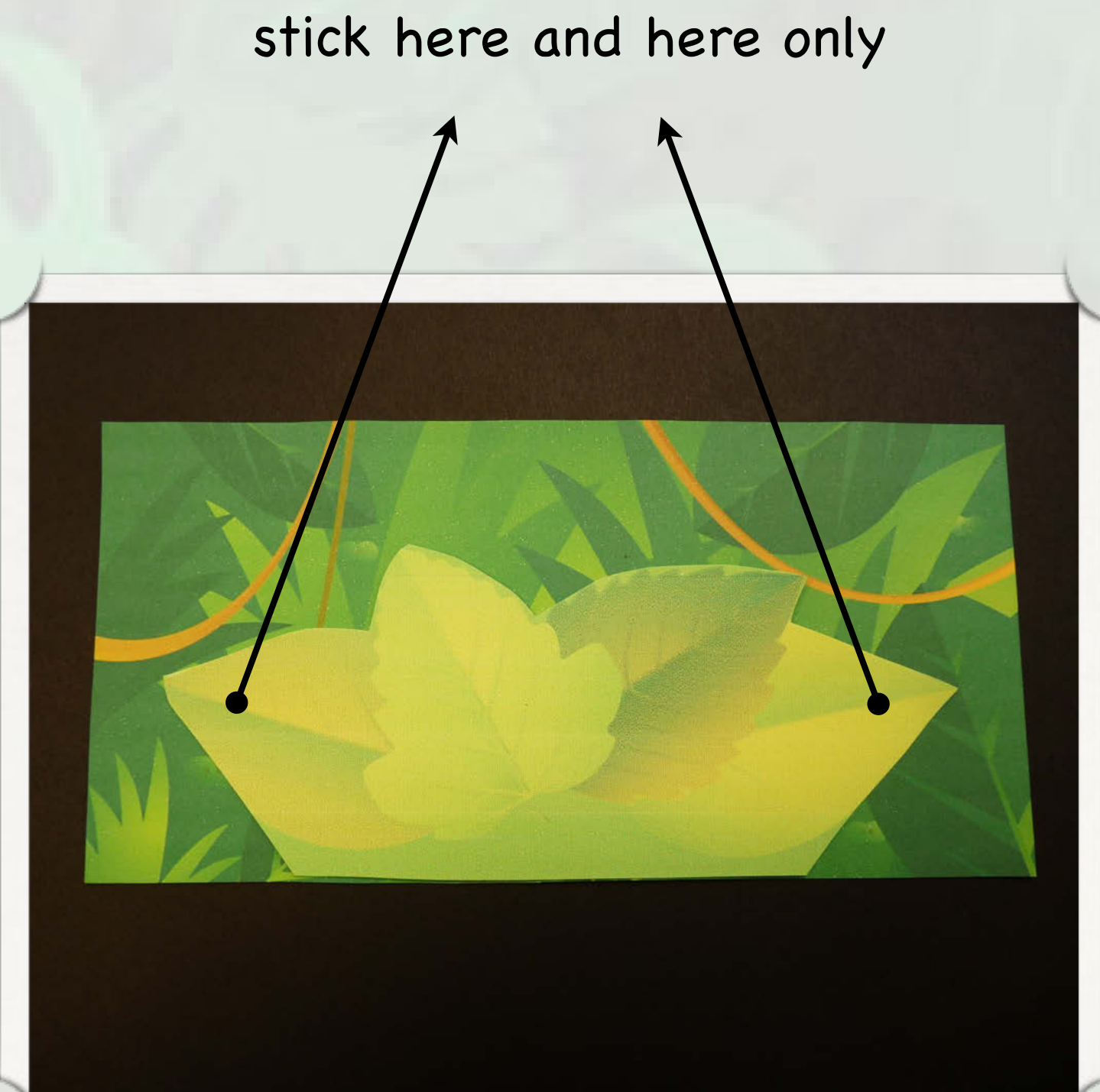
Pop-out objects



Cut out an object that you want to pop out.



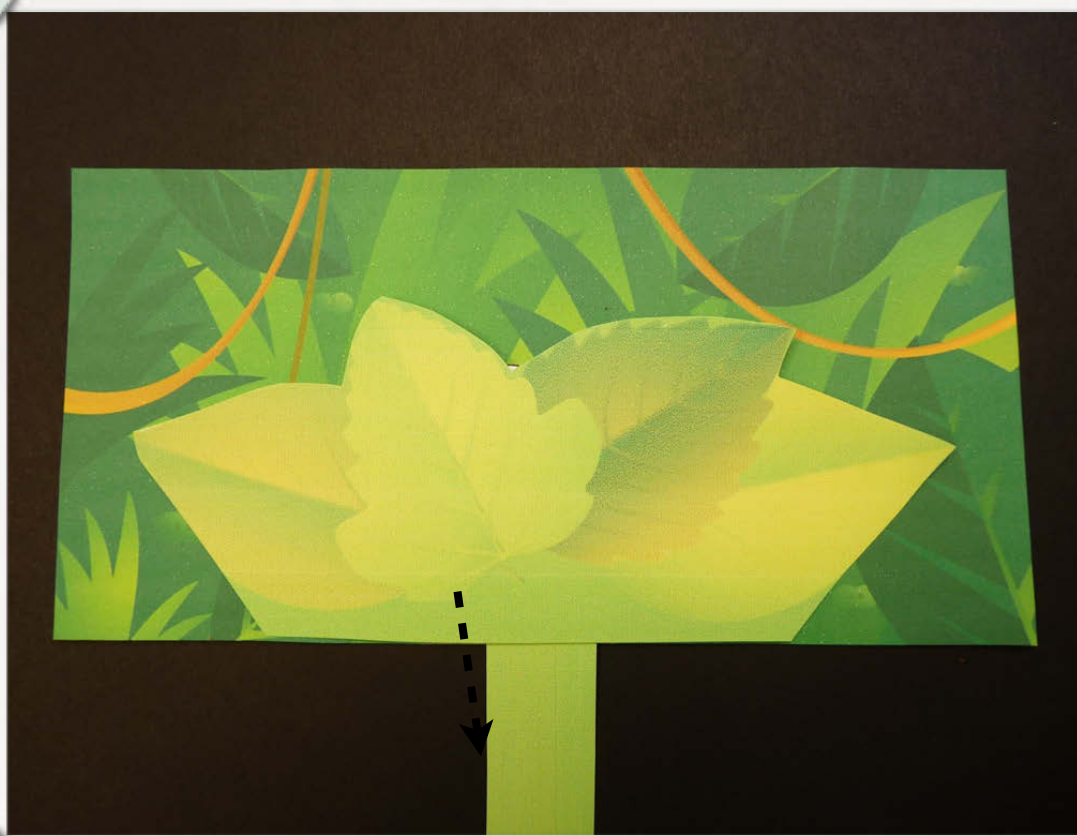
You will need a background and a foreground.



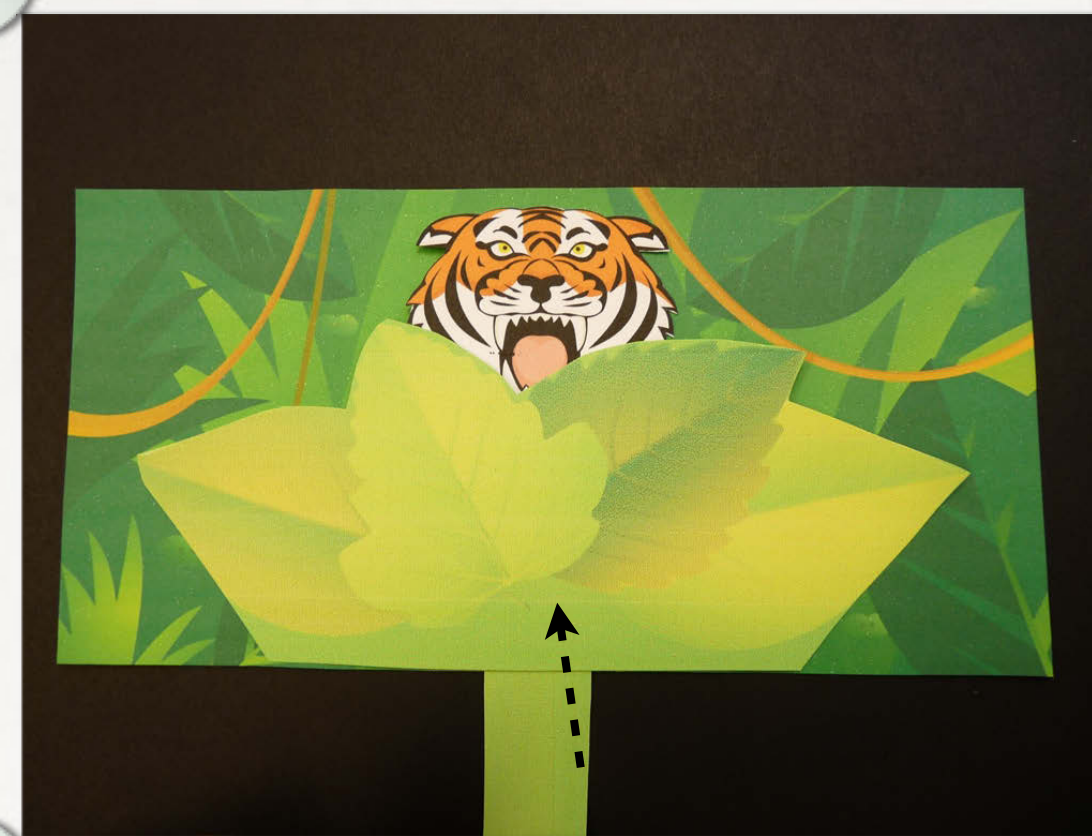
Stick the foreground to the background but at the edges only.



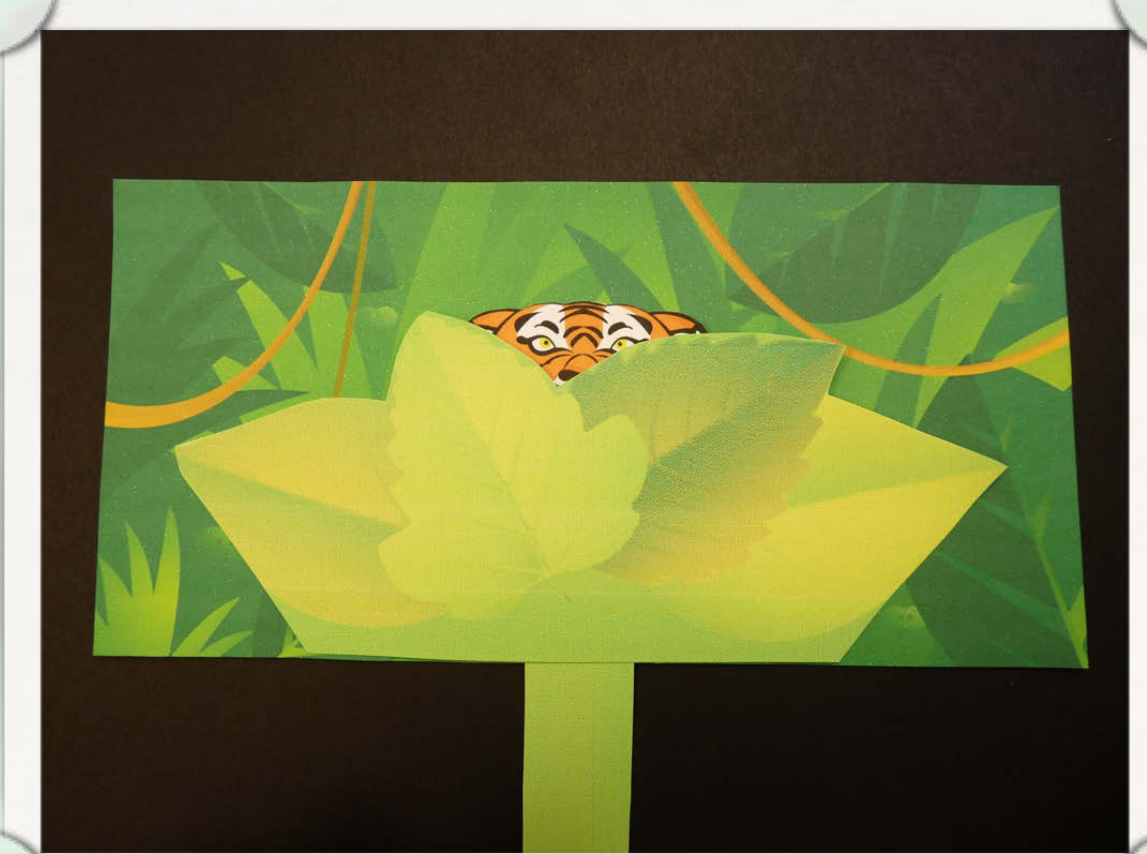
Stick a long tab to the tiger's head and then push the tab through the gap between the background and the foreground.



Pull the tab down so the tiger hides in the foliage.

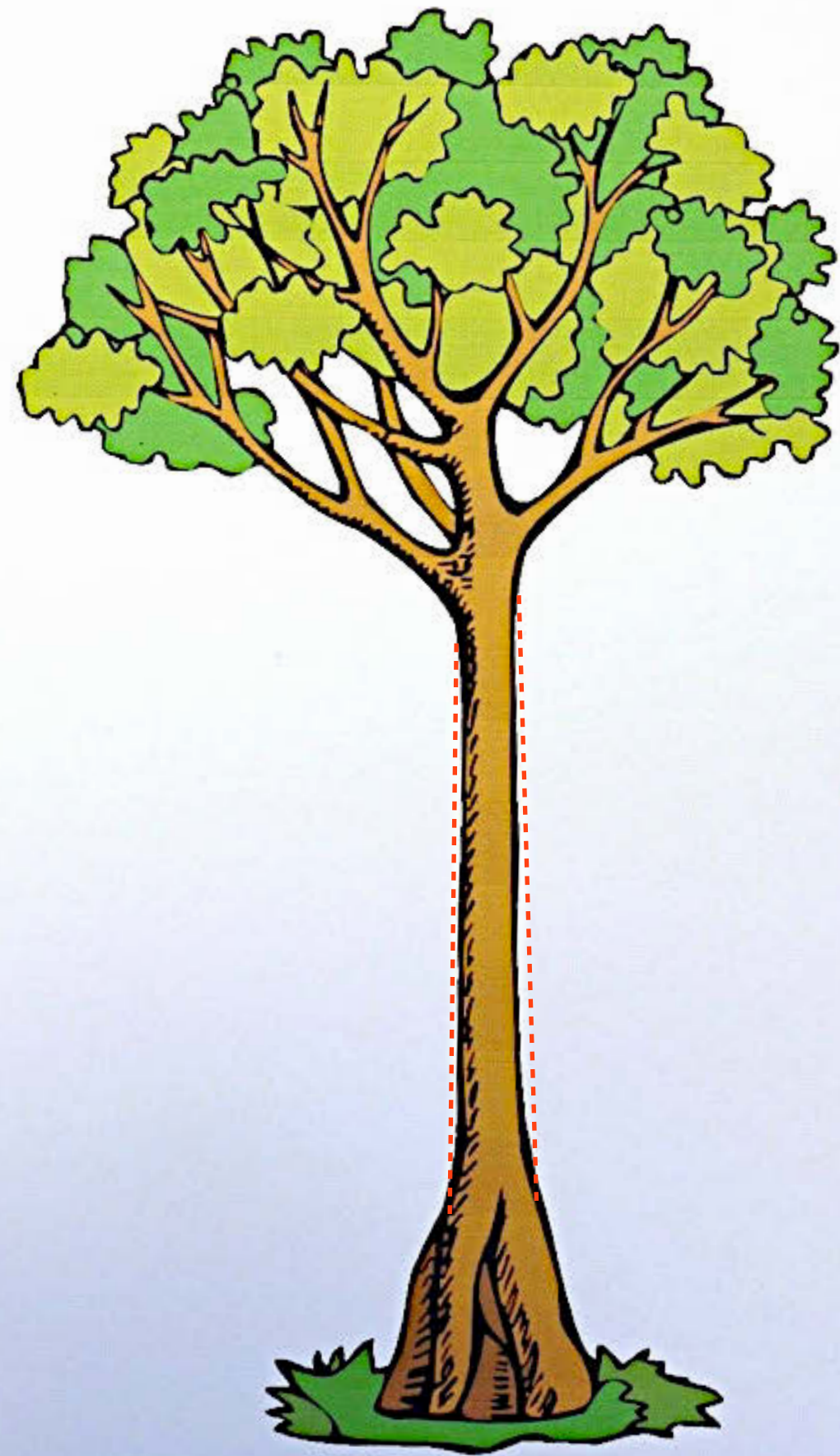


You can then push the tab up to make the tiger appear!

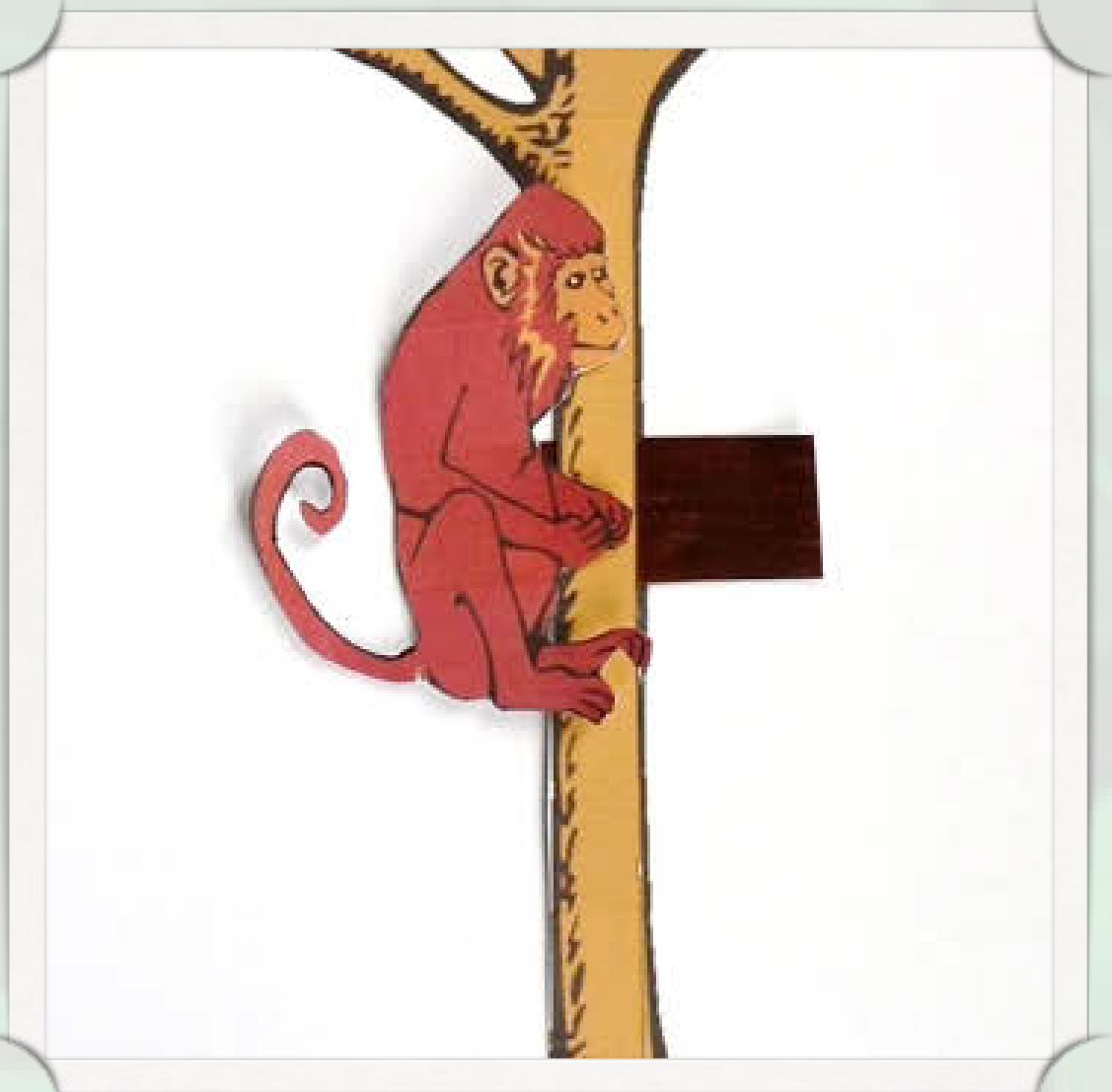
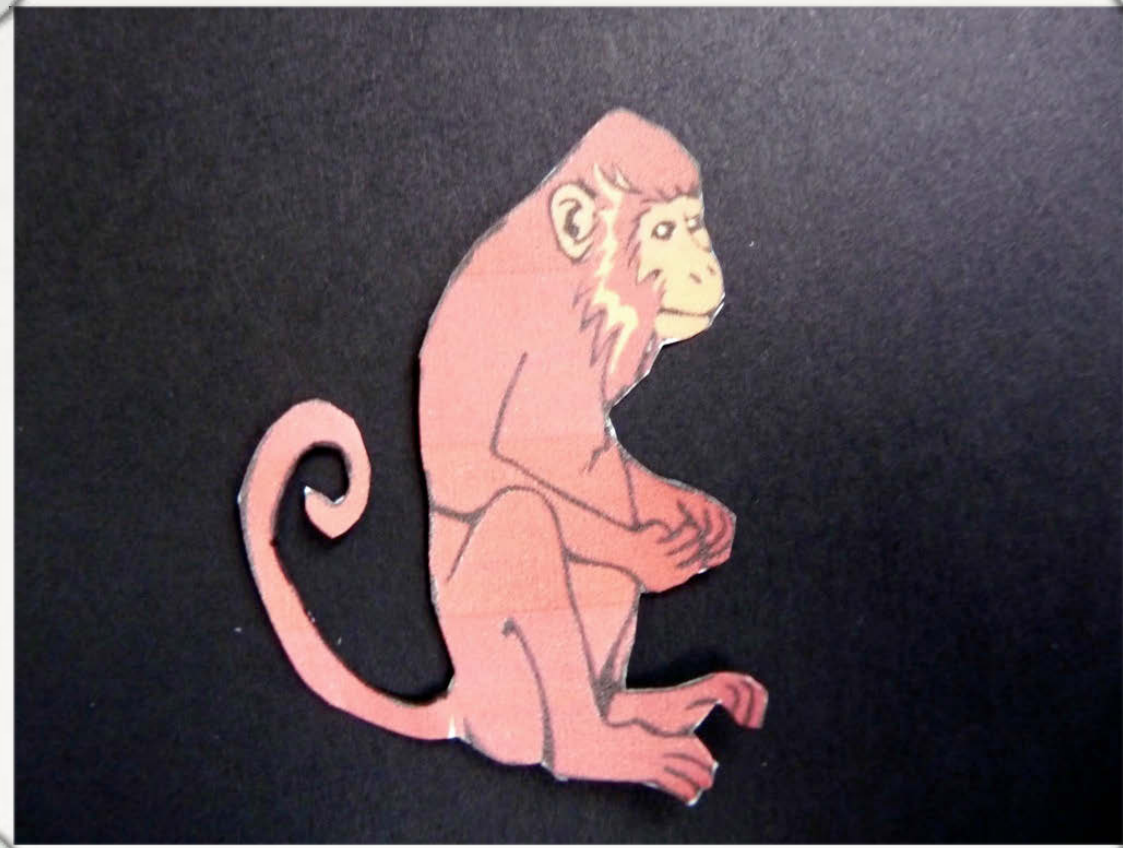


Pulling the tab down will make him disappear again.

Sliders



Prepare your background and decide where you want your slider to be. Cut two parallel lines where you want the slider with scissors or a craft knife. The dotted red lines show where lines have been cut.



Cut out the object that you want to move. In this case, the monkey is going to climb up and down the tree.

Give the monkey a small tab so that he will be easily moved.

Slip the tab through the two slits in the tree.

You can then use the tab to slide the monkey up and down the tree!



You don't have to do straight lines for your slider. They could be curved or wavy. As long as the slits are parallel, you can slide an object in any direction.

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Windows



You will need a background and a foreground. The foreground will become the window.



Mark where you want your window to be. The dotted lines will be cut and the solid lines will be folded.



Cut along the dotted lines with scissors or a craft knife.



Use a ruler to help you create the folds for the windows. These will be the window hinges.

You could write information on the inside of the windows.



Carefully stick the window over the part of the picture that you want to be revealed. You can then open and close the window to show or hide the picture (or information) underneath.

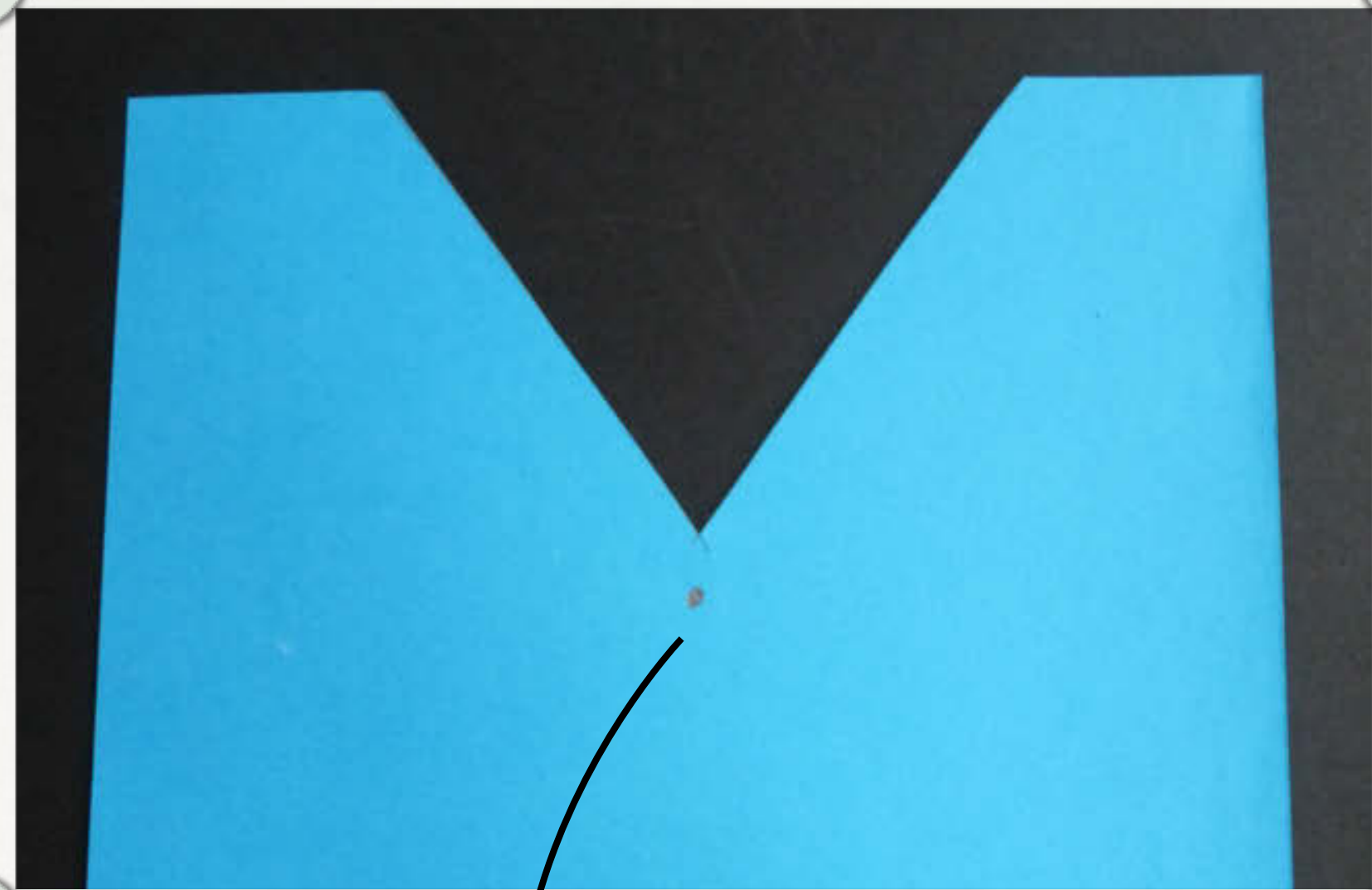
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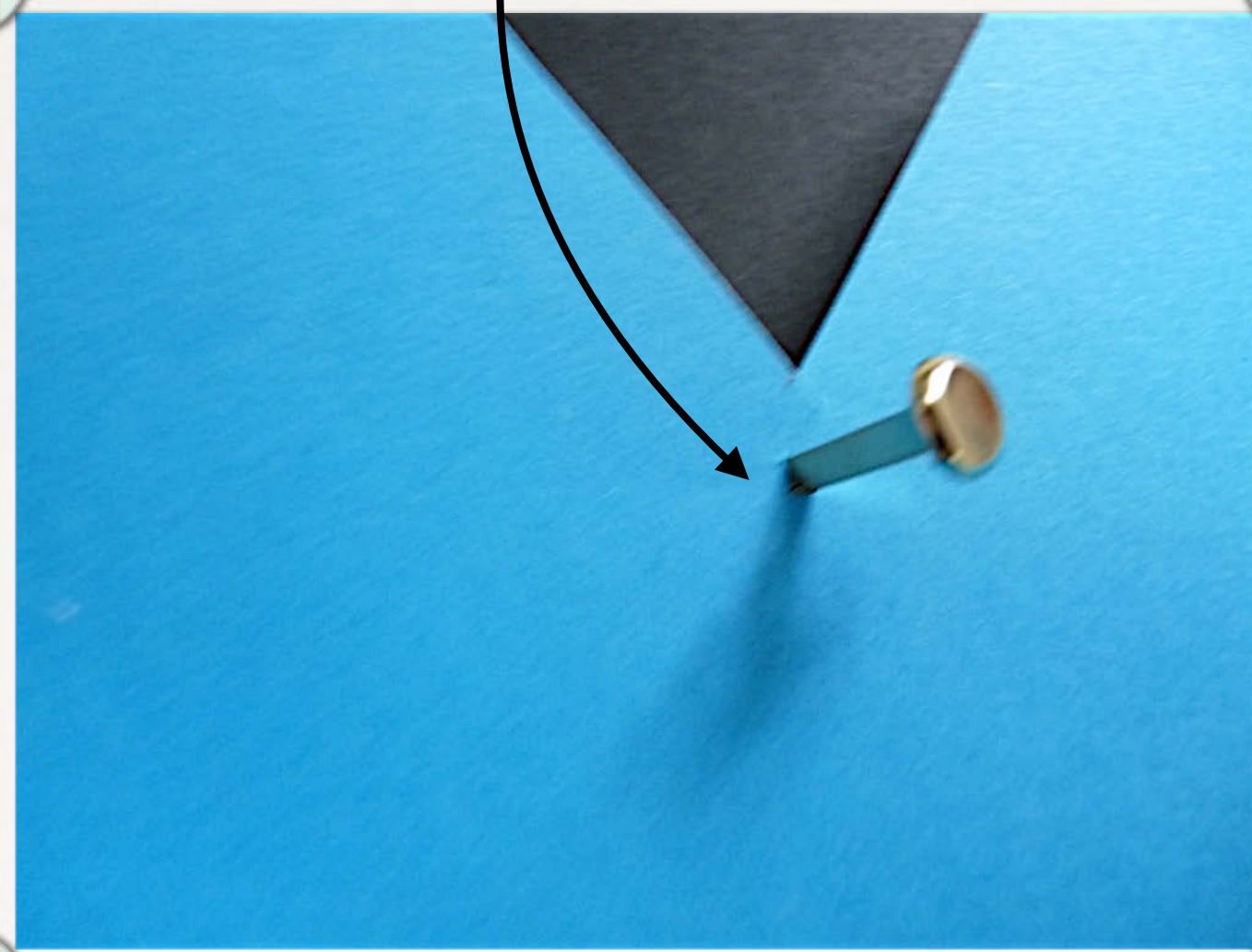
Rotating wheels



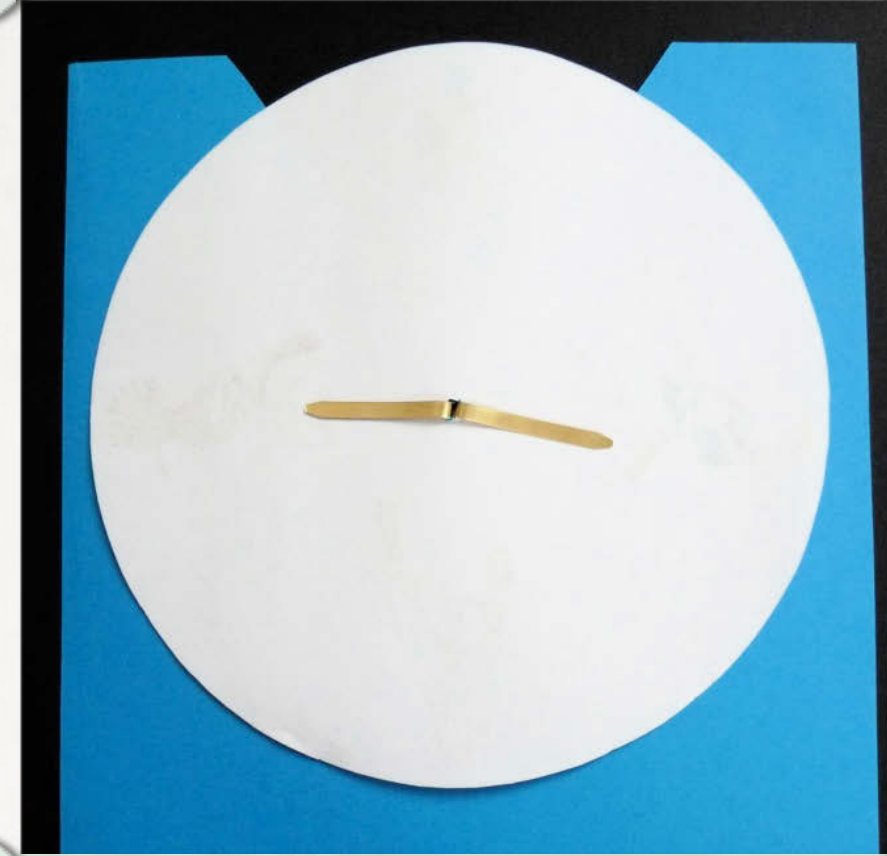
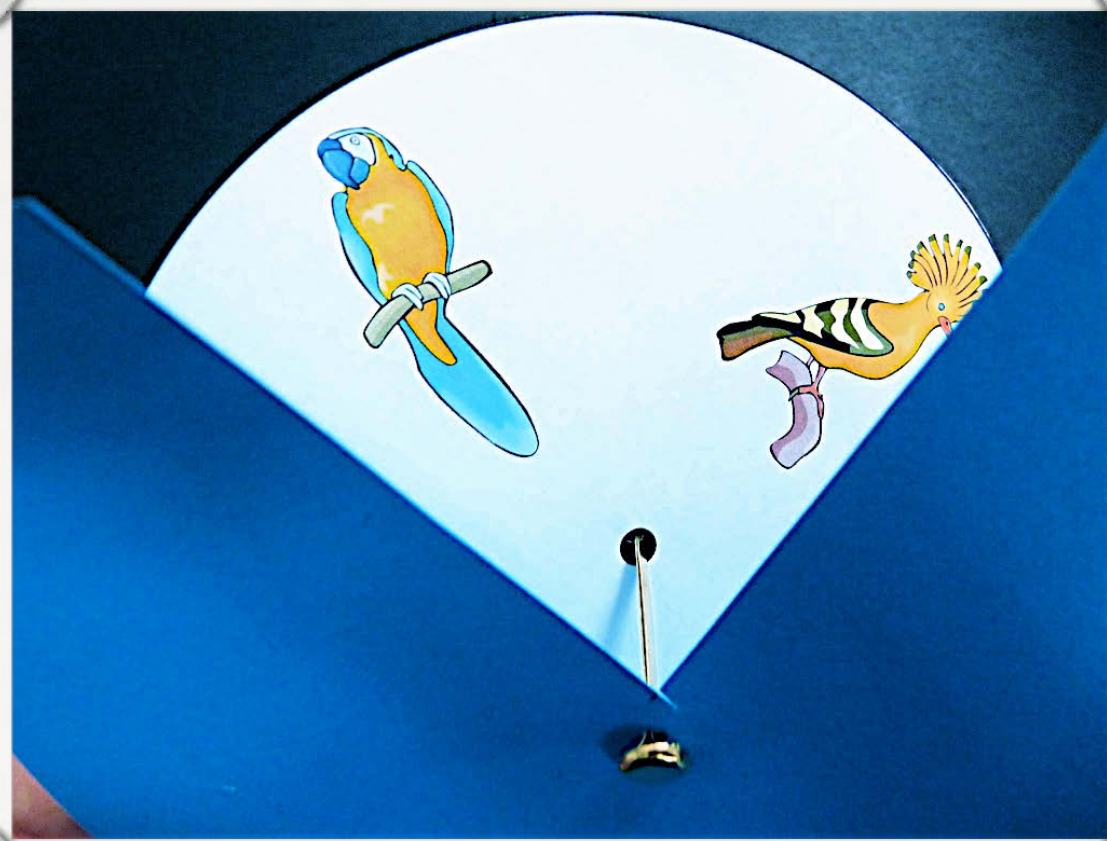
Cut out a wheel and draw four different pictures around the edges. You will need to make sure that each picture is the correct way up when the wheel rotates. Mark where the centre of the circle is.



Cut a section from your page out. This will reveal the pictures on the wheel. Mark where the centre of the wheel would be just beneath the cut-out section.

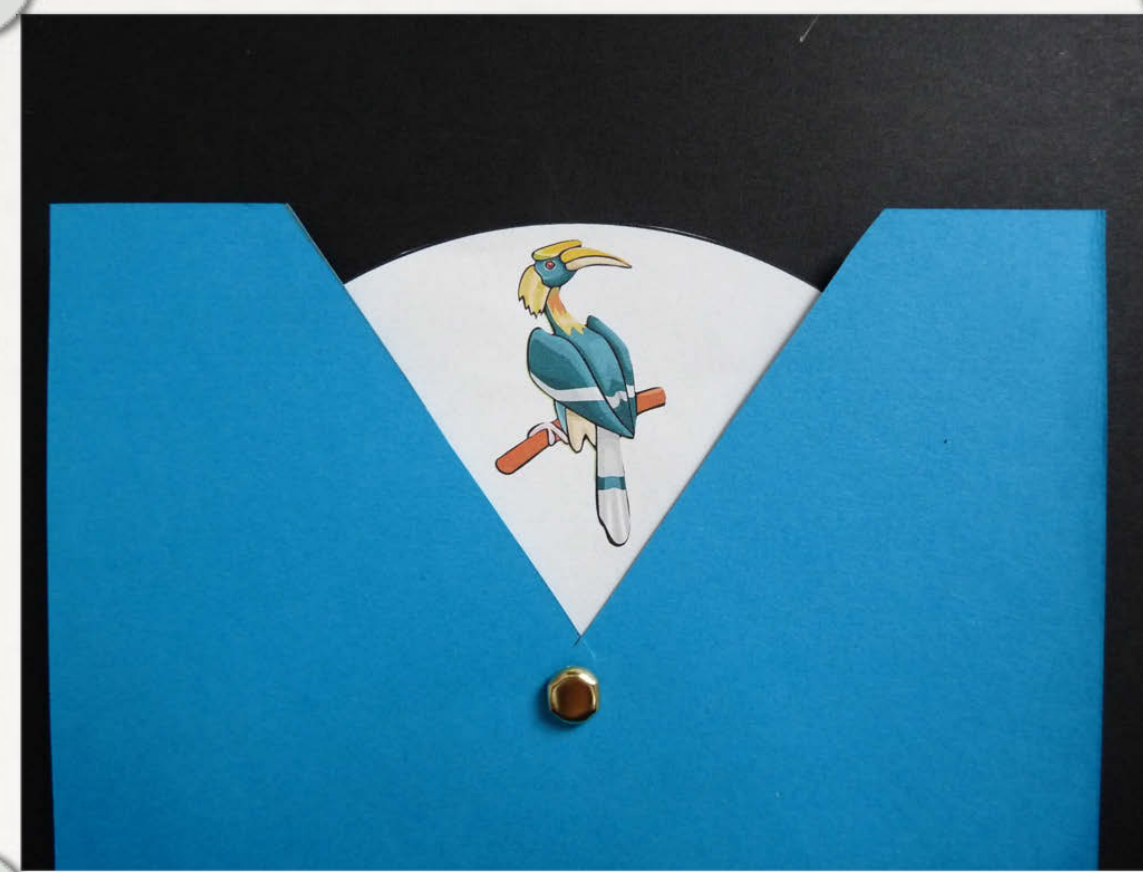


Create a hole on your marked dot and then push a split pin through it. Do not unfold the split pin yet.



Pierce a hole in the centre of your wheel and then stick the split pin through that so it is attached to the page. Turn both pieces over and fold out the split pin.

Now you can turn the wheel around, revealing a different picture each time.



You don't have to do a picture on your wheel. You could write four different facts instead.

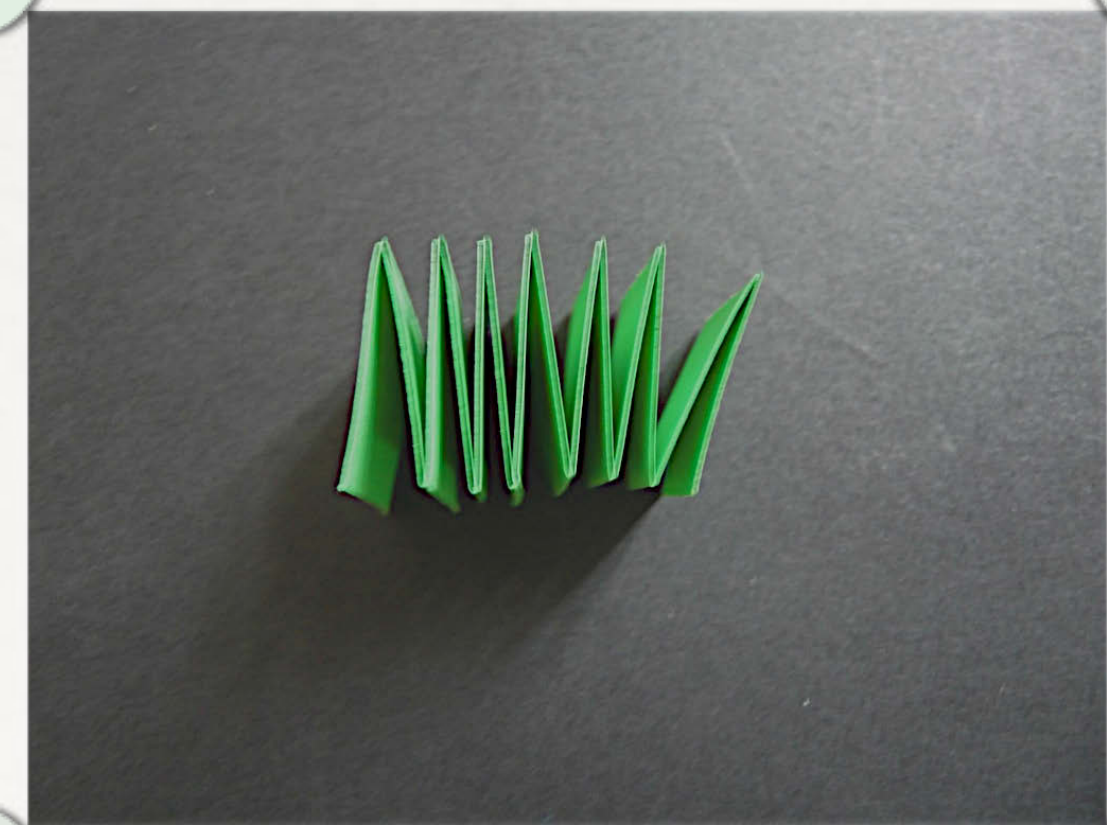
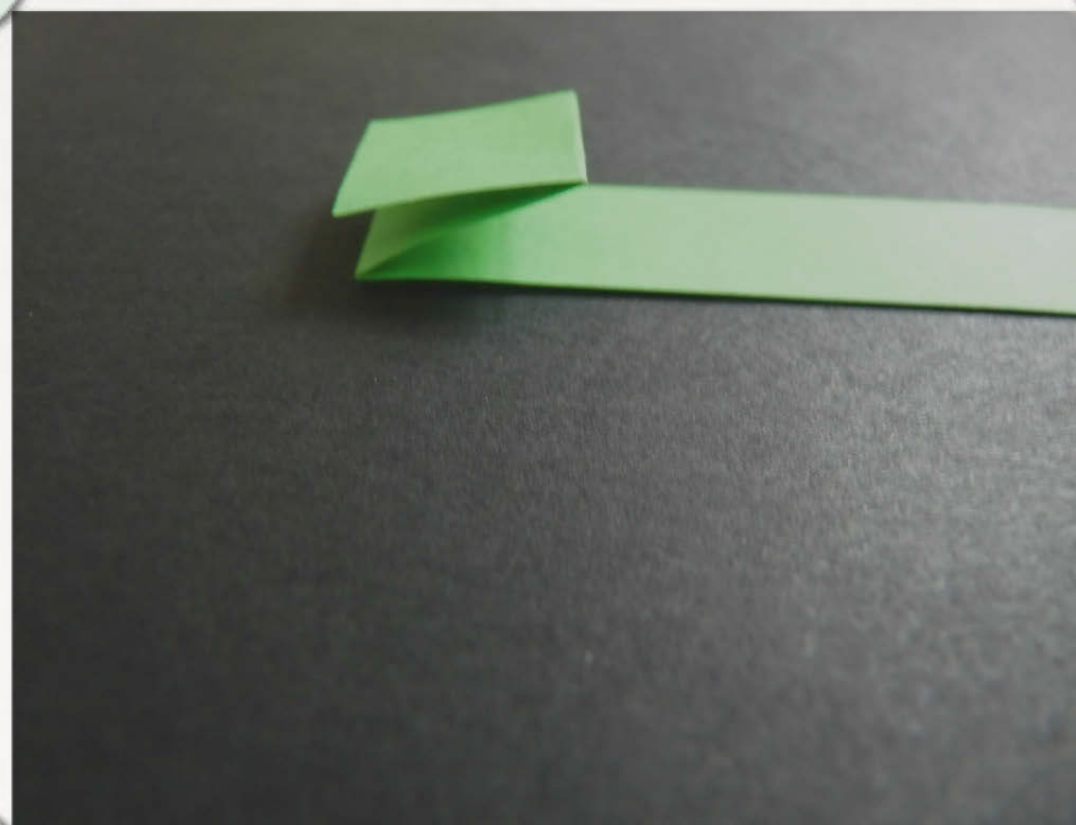
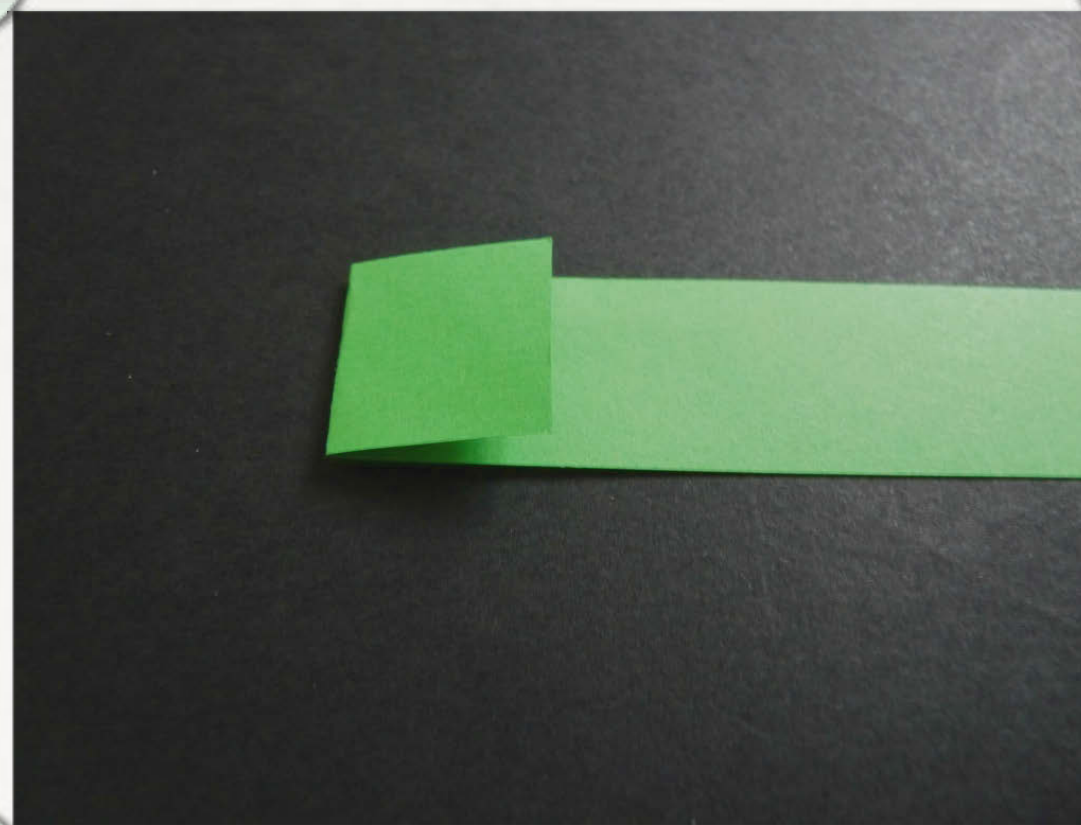
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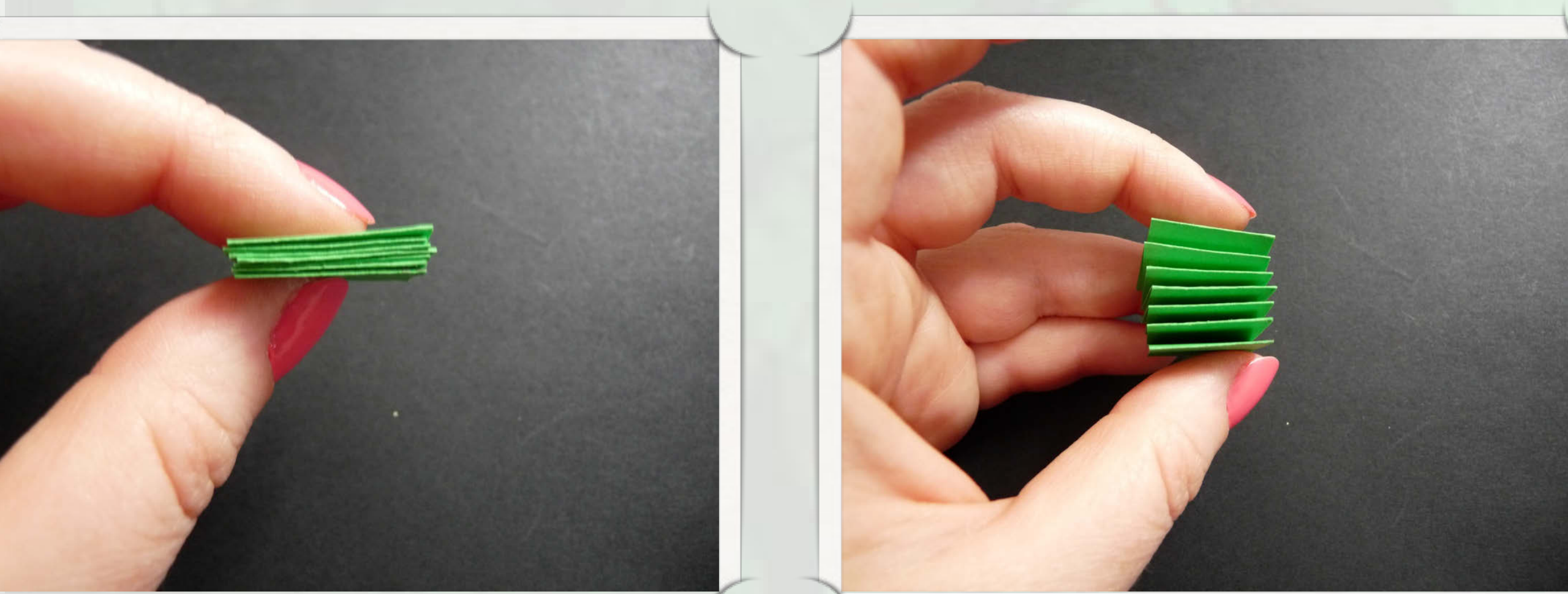


You could also do this so that the reveal window is in the centre of the page instead of the edge.

Concertina pop-outs



Take a long strip of paper and fold one end over to create a square. Then, fold it back the other way. Keep going by folding one way and then the other until you have created your concertina.



Compress the concertina and when you release it, it will spring open. You can use this to create a pop-out.

For example, you could stick a snake on one end. When you open the book, the concertina will spring out and the snake will pop out at the reader!



How else could you use these moving mechanisms in a rainforest information book?



Sliders

Pop-out objects

Windows

Rotating wheels

Concertina pop-outs

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What kind of information book do you think you would like to make? What information would you include?

What kind of moving mechanisms do you think you would like to use?

