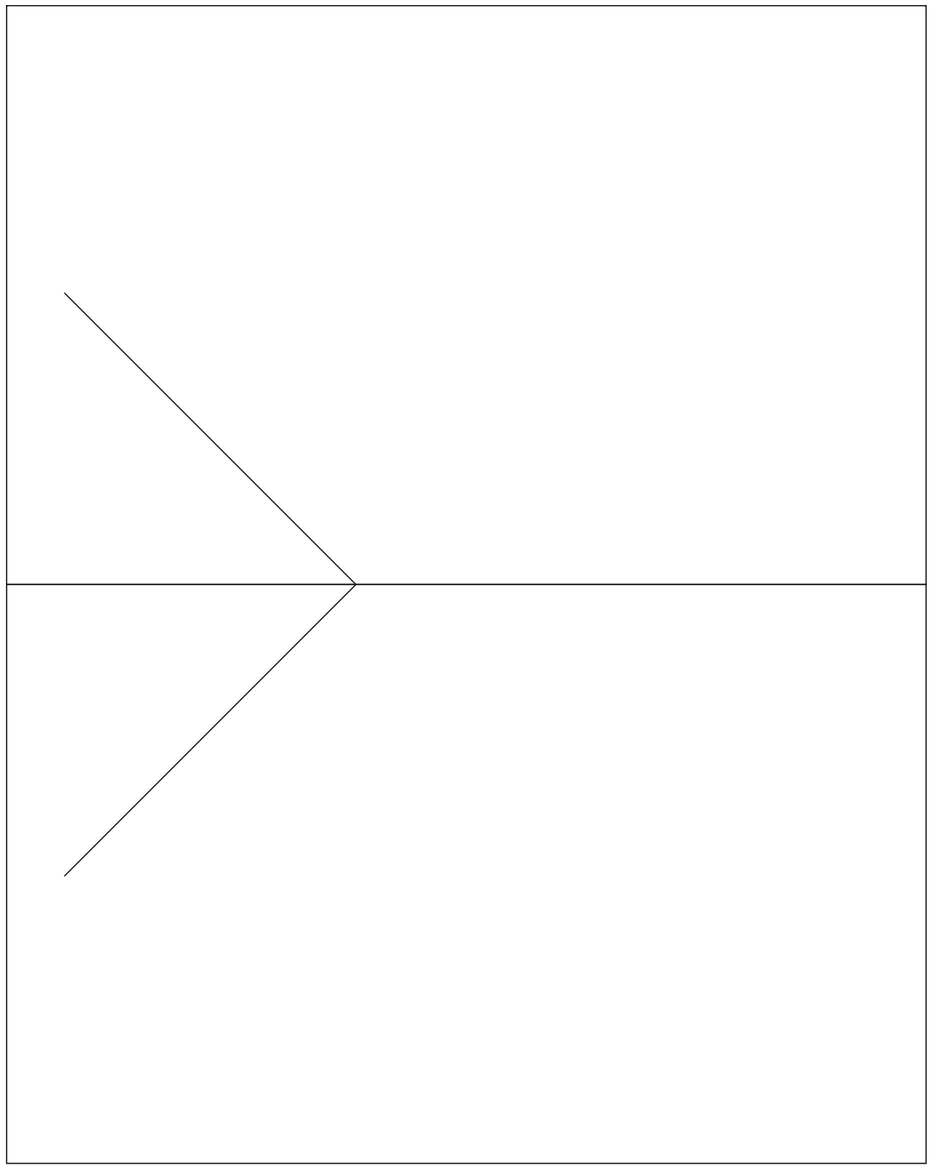
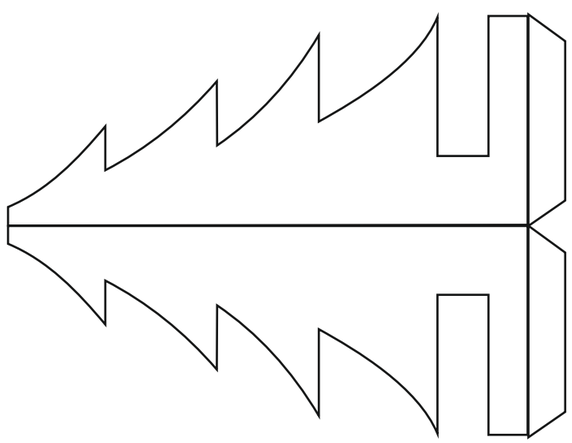
POP-UP BOOK - V - FOLD MECHANISM





USEFUL LINK

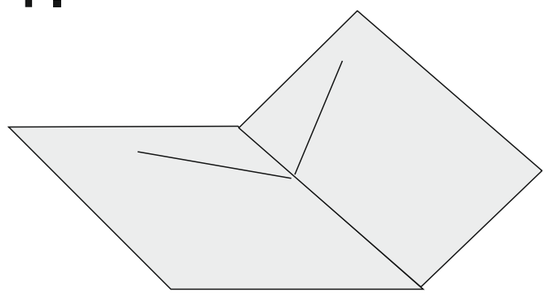
https://technologystudent.com/designpro/popup1.htm

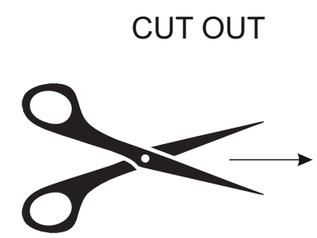
The parts of a basic pop-up card are drawn opposite. It is a prototype Christmas card. Add appropriate colour and shade to the pop-up Christmas tree, as well as any relevant detail (e.g. decorations) and text.

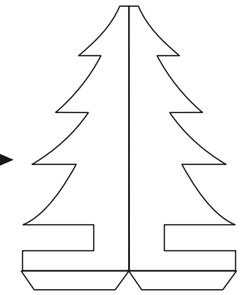
Cut out the pop-up and glue it to the 90 degree lines.
Test the final prototype and write an evaluation on how it works. Include any improvements you would make.

INSTRUCTIONS

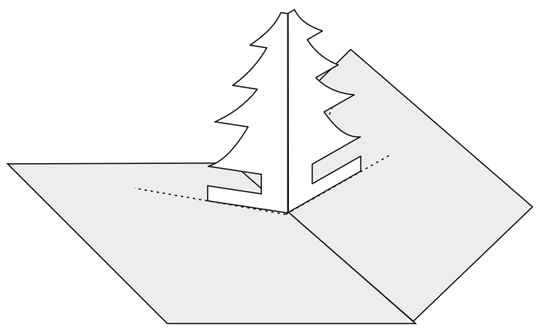
1.







2.



GLUE THE TABS TO THE DOTTED LINE.
CLOSE THE CARD AND THE TREE SHOULD FOLD INSIDE IT

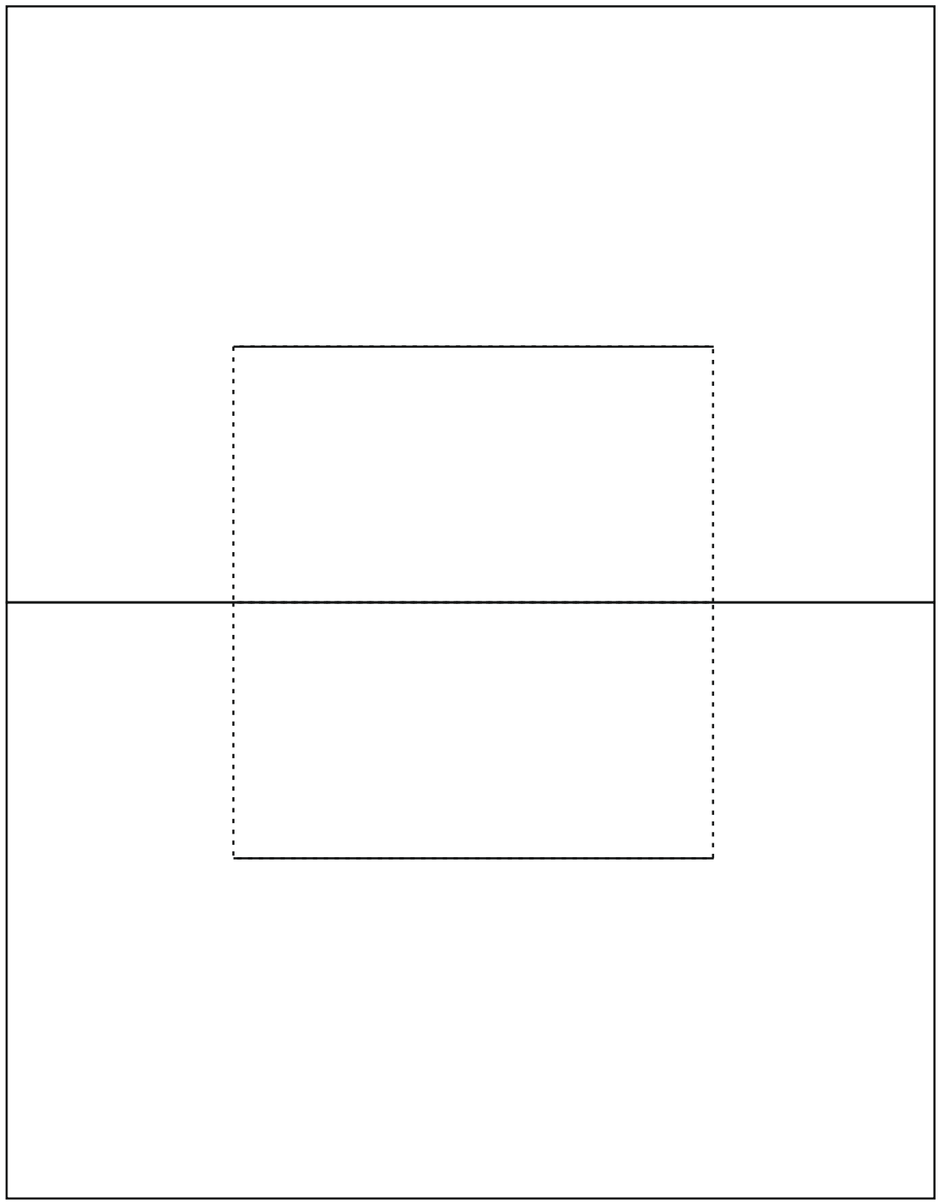
OTHER USEFUL LINKS TO MORE EXAMPLES

https://technologystudent.com/despro_flsh/bitrthdy1.html

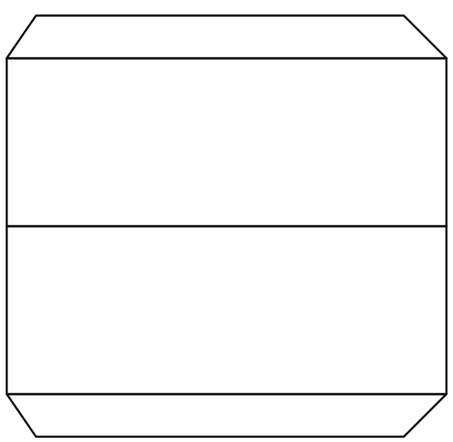
https://technologystudent.com/despro_flsh/candles1.html

https://technologystudent.com/despro_flsh/crwn1.html

POP-UP BOOK - INTERNAL STAND MECHANISM



CUT ON THE DOTTED LINE WITH SCISSORS



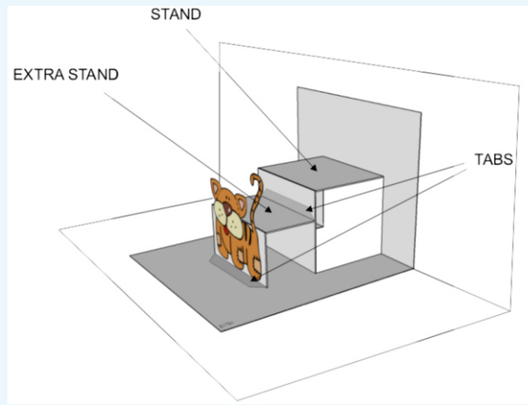
EXTRA INTERNAL STAND

USEFUL LINK

https://technologystudent.com/despro_flsh/instand2.html

Cut out and fold the parts of the card, including the internal stand and extra internal stand. Follow the instructions drawn at the bottom of the page.

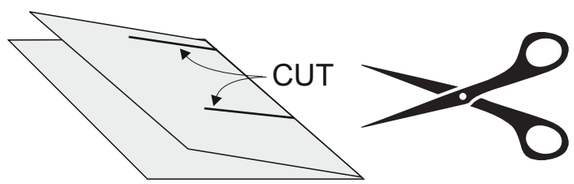
Add an image, such as an animal, either drawn separately or printed from clipart.

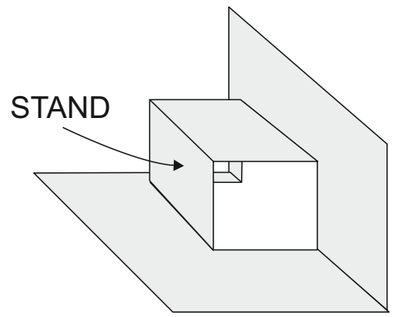


Add suitable graphics and text to the four sides of the card. The graphics should compliment the image. For example, if you have chosen a tiger, the graphics such reflect its habitat i.e. a jungle and its associated forest/vegitation.

INSTRUCTIONS

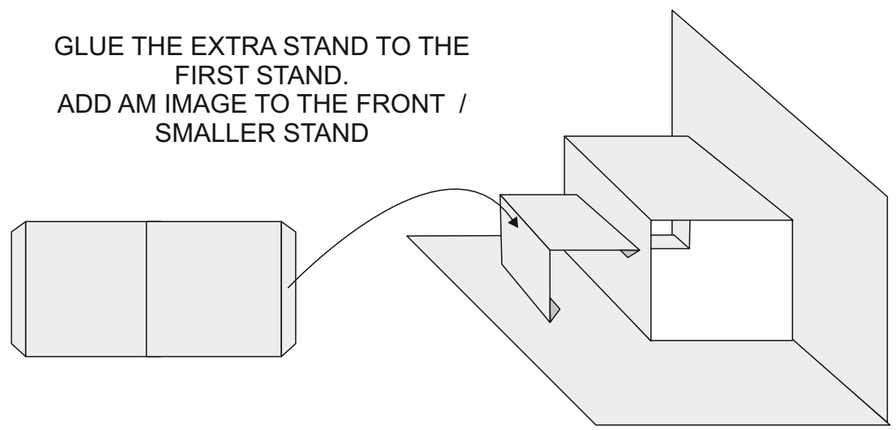
1.



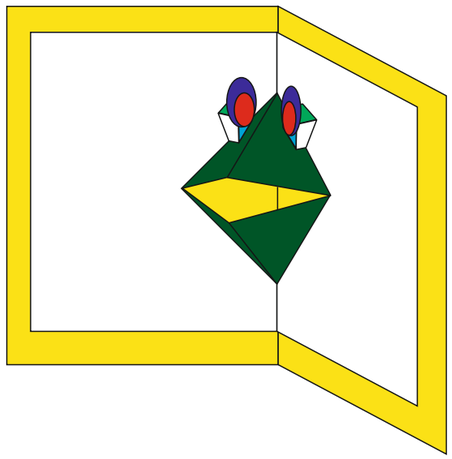


2.

GLUE THE EXTRA STAND TO THE FIRST STAND.
ADD AM IMAGE TO THE FRONT / SMALLER STAND



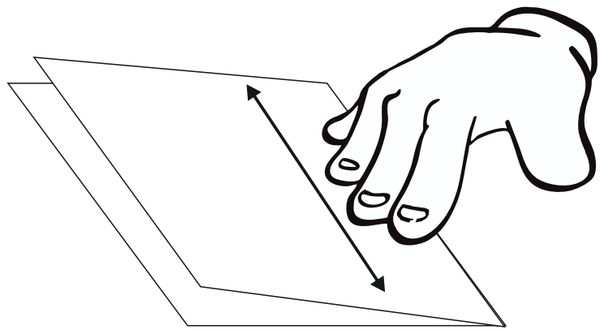
POP-UP BOOK - MOUTH MECHANISM



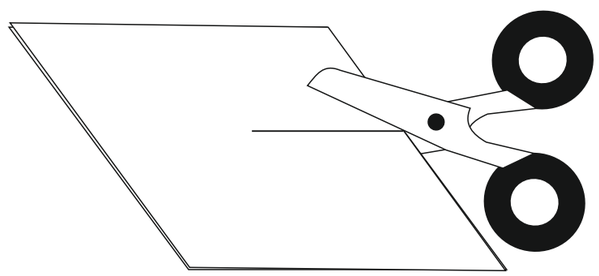
Making a basic face with a opening and closing mouth, is quite straightforward. It requires a limited amount of folding and cutting.

MAKE A FACE WITH A OPEN AND CLOSING MOUTH

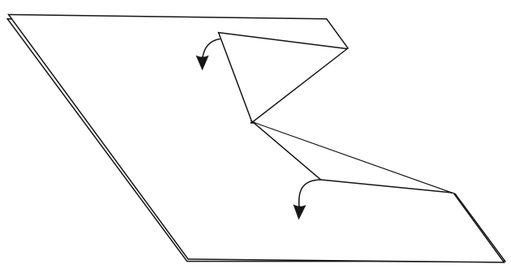
The stages are shown below.



1. Take a piece of card and fold it in half. Apply pressure along the fold.



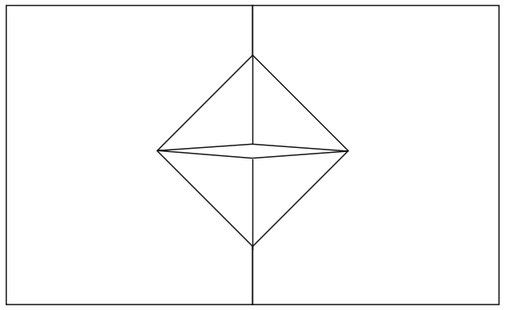
2. Using a scissors, cut a line, as shown in the diagram, halfway across the folded card.
How will you find the middle / centre of the card?



3. Fold each of the ‘sides’, to create a ‘V-fold’.

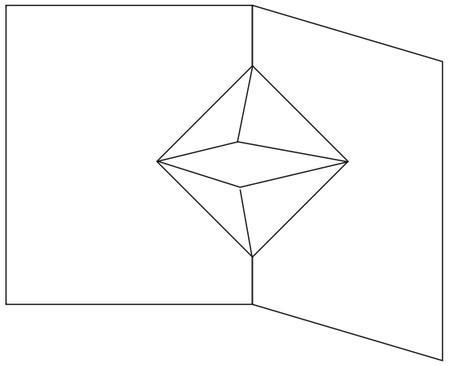
USEFUL LINK

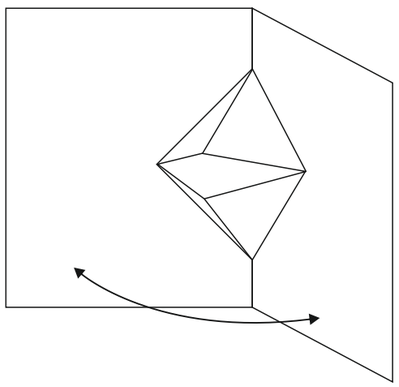
https://technologystudent.com/despro_flsh/popbk3.html



4. Open the card and flatten the two V-folds.

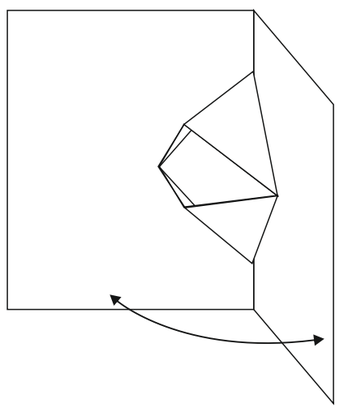
Then push the two V-folds out the opposite side of the card.

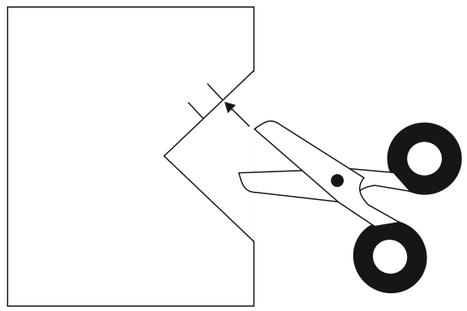




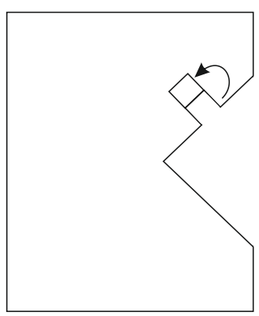
5. This produces a mouth that opens and shuts, as the card is opened and closed.

Try opening and shutting the card.





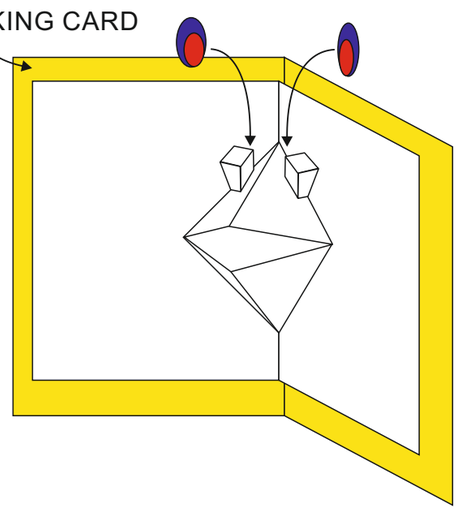
6. To produce eyes, shut the card and cut two lines, as shown in the diagram. The cuts should not be too long.



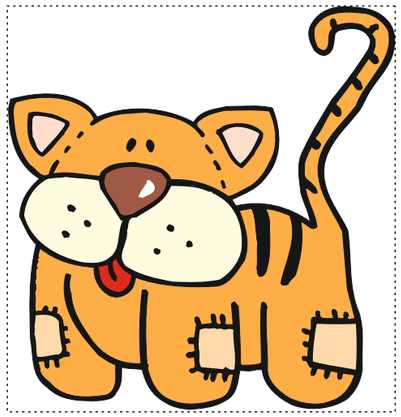
7. Fold the eyes back to create a crease in the card.

You can add further decoration, such as large cartoon eyes.

Add backing card.

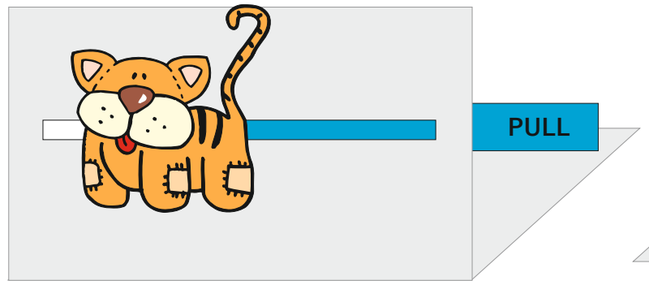


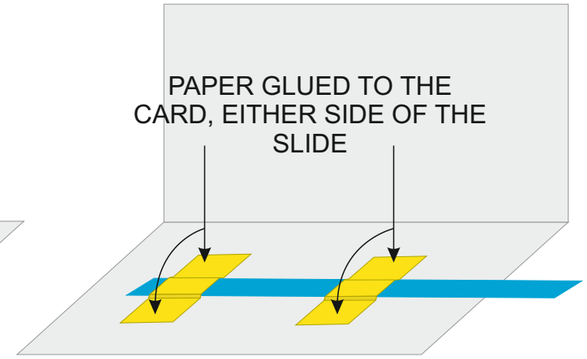
PULL



POP-UP BOOK - SLIDE MECHANISM

Slide mechanisms can add parallel movement to a greetings card / book. The basic construction is shown below. This can make an impressive greetings card / page in a pop-up book, if an image is added to the card front and scenery drawn.





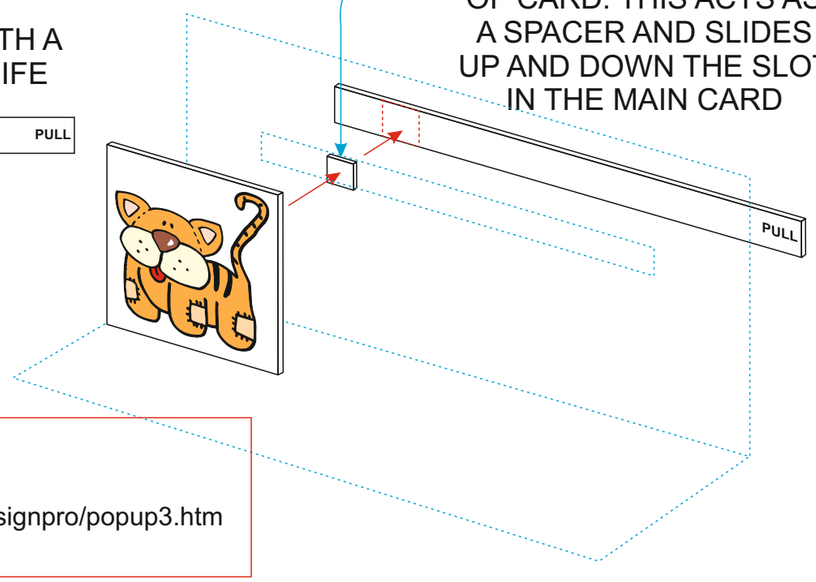
1. CAREFULLY CUT OUT THE SLOT

2. CUT OUT THE CHARACTER PRINTED ON THIS SHEET OR DRAW YOUR OWN IN THE EMPTY DOTTED BOX

3. CUT OUT THE SLIDE WITH A SCISSORS OR CRAFT KNIFE

PULL

4. CUT A SMALLER PIECE OF CARD. THIS ACTS AS A SPACER AND SLIDES UP AND DOWN THE SLOT IN THE MAIN CARD



5. JOIN ALL THE CARD PARTS AND TEST THE OPERATION OF THE SLIDE

USEFUL LINK

https://technologystudent.com/designpro/popup3.htm