



Moving Flexagon

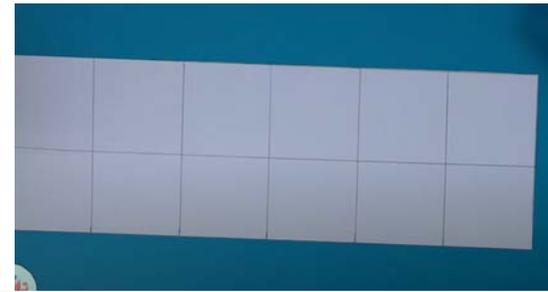
Courtesy of Jenny M. Chan from Origami Tree
<https://www.youtube.com/c/OrigamiTree/featured>



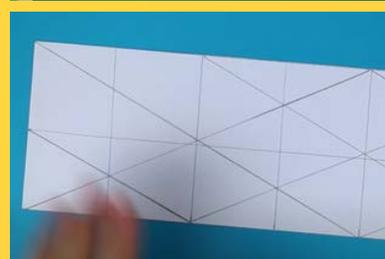
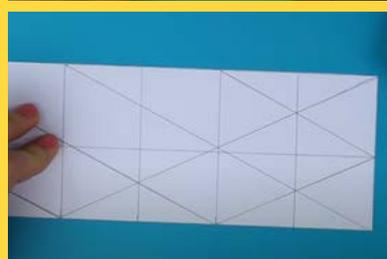
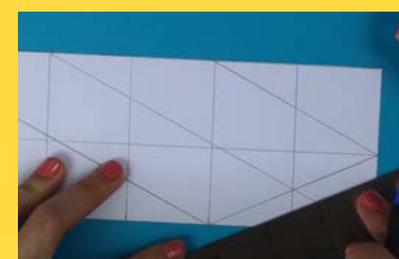
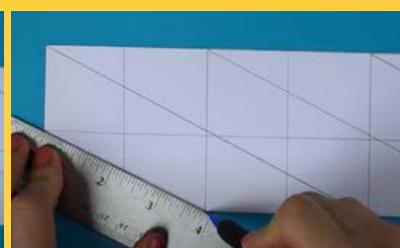
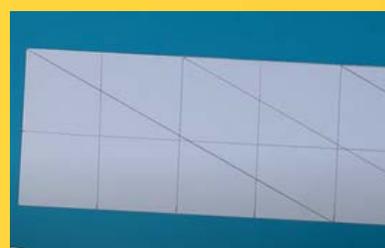
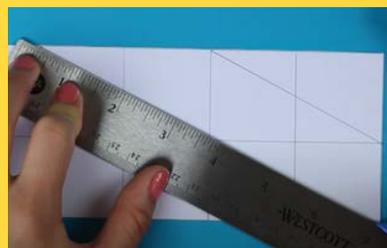
You will need a sheet of paper (fancy or plain, whatever you have around the house) cut to 3 inches (7.6 cm) high by 9 inches (22.9cm) wide, a pencil or pen, some clear tape, a ruler, and if you have it, a bone folder. If you don't have a bone folder, refer to the ****quick trick**** on page 2 for what to use instead.



Measure and draw a line to divide the paper in half width-wise. Then along the width, make markings every 1 1/2 inches from the left edge on the top and bottom of the paper. Connect those markings with vertical lines and you will be left with 12 1/2 inch squares.



Mark the following diagonal lines



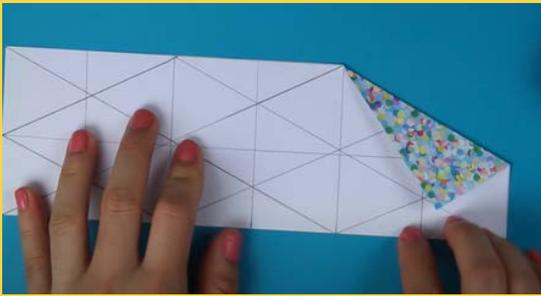
Now it is time to fold.

I will admit that this part is a little tricky and takes a little bit of concentration, but the end result is so much fun and well worth it!

All of the folds you do for this piece will be "Valley Folds".

This means that you are folding the paper towards you and covering the lines that you marked instead of folding away from you where the lines would be visible.

A ****quick trick**** is that if you have a bone folder, this is a good time to use it to trace each line a few times first, it will help you in folding the paper correctly. If you do not have a bone folder, you can use the corner of a gift card, a mechanical pencil without the lead out, anything really that will help to indent (but not cut) the paper for easier folding.



Repeat this process for all of your diagonal, vertical and horizontal lines.



Now fold the paper width-wise and use your tape to close up the open edge, wrapping the tape from one right side, over the edge and adhering it to the other right side.



Hold the strip of paper with the edge you taped facing you. Take your thumb and forefinger at the point between the first 2 squares and pinch. It may take a try or two before you get it done successfully. Repeat with the next set of 2 squares, then the last set of 2 squares.



...continued



Bring both edges around so they meet in a circle and tape the ends together on the outermost surface only to start with creating your hexagon.



Gently hold the flexagon in both hands and roll it either towards you or away from you, but make sure both of your hands are rolling the paper in the same direction.



Roll until you come upon the other open seam where you connected the 2 ends together. Secure that with tape as well. Continue to gently roll the flexagon a few time in each direction to loosen it up and... there you have it!

