

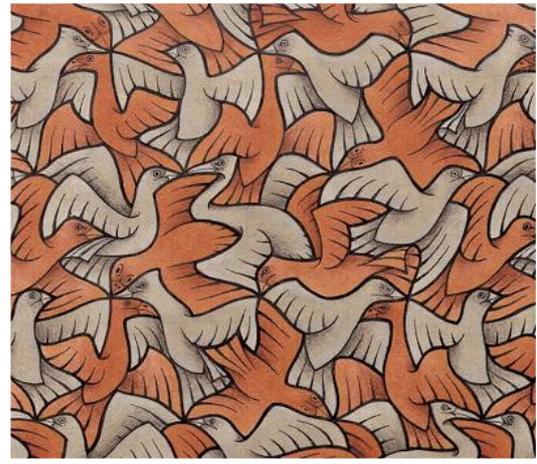
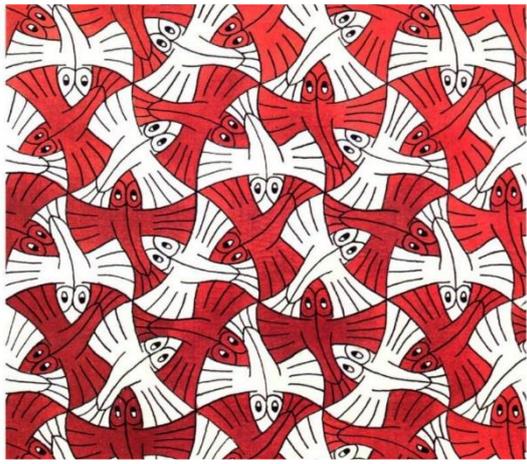
Something to make

Tessellating tiles

Have fun making a shape. Use it to create your own unique pattern.

You will need: A square piece of card (4cm by 4cm), scissors, tape, paper and colouring pencils.

A **tessellation** is where shapes fit together to make patterns, without overlapping or leaving gaps. An artist called M.C. Escher was famously good at these.



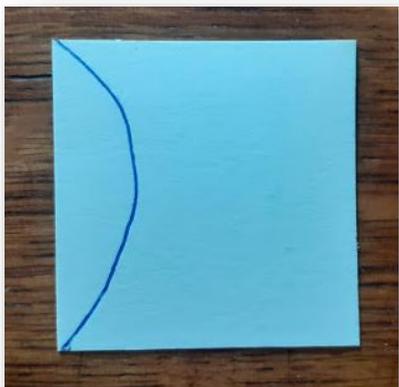
There are lots more examples [HERE](#).

Today, you are going to create your own **tessellating pattern**!

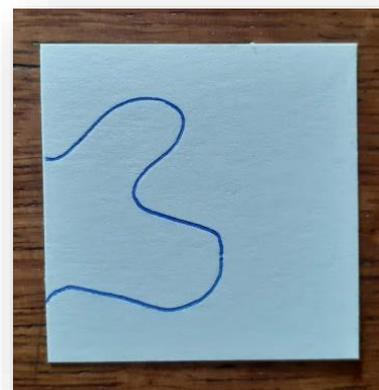
First make your tile...

- Draw a shape on the left-hand side of your card square, so that one side is part or all of the side of the card.

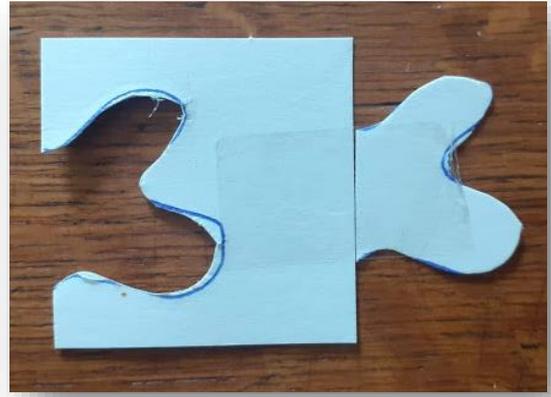
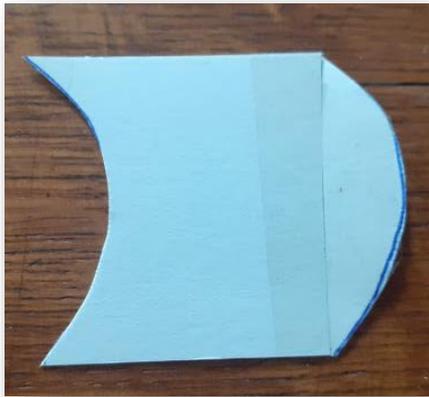
E.g. like this...



or this.



- Now slide the cut-out piece across to the right-hand side **at exactly the same height**. Tape it in place. You have made your 'tile'!

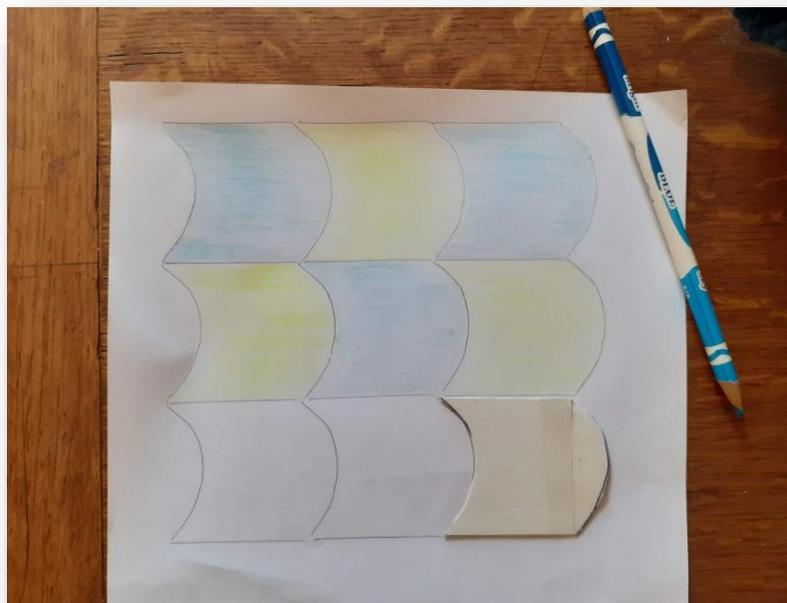


Then make your design...

- Draw carefully around your tile.
- Slide it across, making sure you don't overlap or leave a gap. Draw around it again.
- Repeat this until you have a row of outlines.
- Now repeat with another row underneath.

Now colour your pattern!

- How you do this is up to you!
- It can be quite effective to use alternate colours, but the choice is yours!



Challenge!

- If you enjoyed making tessellations, explore fitting these squares and triangles together... Can you make a tessellating pattern?

