



What should I already know?

Students should have prior learning of patterns and shapes from maths lessons. Students should have previous experience of learning about an artist and how we link and compare our work.

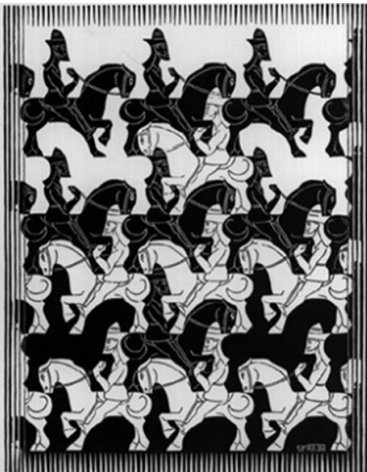
What will I know by the end of the unit?

- What tessellation means.
- what shapes and patterns can tessellate.
- the work of artist MC escher and his tessellation work.
- How to create a successful tessellation pattern
- To be able to challenge themselves to create a sequence and pattern.

Vocabulary

Tessellation	an arrangement of shapes closely fitted together, in a repeated pattern without gaps or overlapping.
sequence	arrange in a particular order.
pattern	a repeated decorative line
overlapping	to cover the same area
symmetrical	is when an object looks the exact same on one side as the other.

Examples of MC Escher's work & Student interpretations



Key Information

FACTS about TESSELLATION

1. It is repeated patterns that interlock (fit together)
2. There are 3 basic shapes that work well, Triangle, square and Hexagon.
3. The shapes cannot overlap!
4. There must be no gaps, they should fit together.
5. The pattern of tessellation should be able to continue on and on.
6. Another word for a tessellation is a **tiling**
7. It's a mathematical term
8. A well known artist who uses Tessellation is MC Escher



Topic: Tessellation

Year: 5

NC Strand:

Investigate/Homework tasks

Extra research on M C Escher

<https://mcescher.com/>

Key skills/Timeline/Topic Questions

Lesson 1 - introduction to tessellation

Lesson 2 - making a tessellation template

Lesson 3 - creating a tessellation template, refining from previous lesson. Looking at using one for out papercutting template.

Lesson 4 -5 - creating our paper tessellation final piece. Extra challenges of creating sequences and patterns.

Lesson 6 - evaluation lessons