

Information for Teachers

Perfect Patterns

Key stages: KS2

National Curriculum Subject Areas: Maths, D&T, Art, History

Length of Session: 1 hour 30 min

Maximum group size: 32 pupils

Session Outline:

Using a sample of old Huguenot silk as inspiration, children will learn how to identify patterns, create some of their own and begin to describe them.

Children can start to identify patterns in everyday objects or things in nature that contain patterns. We will talk about natural patterns and how The Huguenots were inspired by nature, we will also talk about different types of patterns used by William de Morgan, exploring symmetry, translation, sequences and fractions within his designs.

Children will explore the museum with a museum hunt focusing on pattern followed by a carousel of activities to try during their workshop.

Activity 1

Children will be shown how in the past people designed patterns for fabrics – they will be shown examples of historic lace patterns. We will discuss the designs by James Leman, a master weaver and pattern drawer. Using the patterns found during their museum hunt, children can have a go at creating their own pattern ideas on gridded paper just like the Huguenots used! Children can challenge themselves to turn the objects to explore rotation and start to use the vocabulary to describe position, direction and movement. This can be inspired by William Morris' designs for book illustration. Designed onto gridded paper, these fluid and floral designs can explore different techniques.

Activity 2

Using a blank ceramic tile, children can design their own informed and inspired by William de Morgan and William Morris. Exploring shape and sequence, children can divide a tile in half or quarters, drawing different lines of symmetry using a range of shapes to explore their properties.

Learning & Community Engagement

Huguenot Museum

95 High Street

Rochester

Kent ME1 1LX

T. 01634 789347

E. learning@huguenotmuseum.org

This can extend to altering the position and direction of shapes as well as using different techniques for different sections of their tile.

Activity in small groups

Children can now explore pattern on a wider scale, by working in a small team each member will design a tile onto card so that when they're put together they form a larger picture to reveal a geometric design. Each individual tile can tell a story of its own but when put together will create a completed design. Children will need to decide on the ratio and measurement of the shapes used so that the tiles complement each other and line up.

Learning Outcomes:

Fractions, geometry, measurement, properties of shape, position and direction.

- Gain an understanding of what a pattern is
- To be able to identify patterns in everyday objects
- Engage with historic artefacts
- Improve speaking and listening skills
- Create a pattern inspired by Huguenot designs

This session is available all year round Monday – Friday please email learning@huguenotmuseum.org for more information on how to book.

Suggested pre visit activities:

Learning & Community Engagement
Huguenot Museum
95 High Street
Rochester
Kent ME1 1LX
T. 01634 789347
E. learning@huguenotmuseum.org

- Discuss different types of pattern – lines, circles, repeated patterns, mirrored patterns. You could ask your class to collect different types of patterns for a scrap book
- Look at patterns in nature – ie talk about how pattern can be used for camouflage

Suggested post visit activities:

- Learn about historical use of pattern or use of patterns by other cultures (eg Aboriginal images or Ancient Egyptians use of patterns)
- Research artists or designers who use patterns (eg Huguenot designer James Leman)
- Learn about weaving – how pattern designs can be created into fabric
- Learn about other types of patterns: number patterns, patterns in music etc

Learning & Community Engagement
Huguenot Museum
95 High Street
Rochester
Kent ME1 1LX
T. 01634 789347
E. learning@huguenotmuseum.org