

MK Gallery

Teaching Maths through Art

KS1 & KS2

Teachers Continued Professional Development

Tuesday 14 November / 2.30-5pm / £20

Links to National Curriculum in England

Key Stage 1

- Recognise and create repeating patterns with objects and shapes.
- Recognise and name 2-D and 3-D shapes.
- Use the language of position, direction and motion: including left, right, top, middle, bottom, in front of, behind, between, around, near close and far, up and down, forwards and backwards, inside and outside.
- Identify and describe shapes by their properties.

Key Stage 2

- Identify and use the properties of symmetrical and non-symmetrical, regular and non-regular shapes in different orientations.
- Identify and use horizontal and vertical lines and pairs of perpendicular and parallel lines. Classify a range of shapes by their geometrical properties.
- Draw symmetrical patterns using a variety of media to become familiar with different orientations and lines of symmetry.
- Become increasingly accurate in drawing lines and angles.
- Use terms such as diagonal and make conjectures about shapes.
- Identify, describe and represent the position of a shape following transformations such as reflections, rotations or translations; recognising congruency and similarity.

Curriculum aims for Key Stage 1 & 2

- Become fluent in the fundamentals of mathematics through its rich connections to art.
- Reason about shapes through a variety of media; forming conjectures and developing justifications through arguments using mathematical language.
- Represent a variety of mathematical ideas in an interconnected way by applying their knowledge to art.