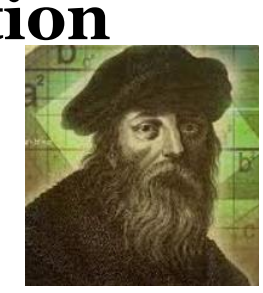
Maths Shape, Position and Direction Learning Journey



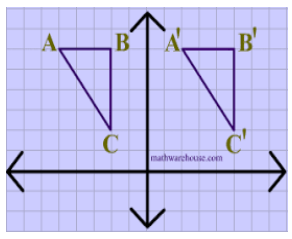
YEAR 7

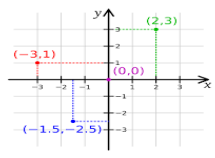
Shape

- Interpret mathematical relationships algebraically and geometrically
- Produce scale drawings
- Pythagoras theorem

Position/direction

- Coordinate grids for negative numbers
- Coordinate grids to create polygons
- Use algebra to describe position/ movement
- Describe all movements of shape





YEAR 6

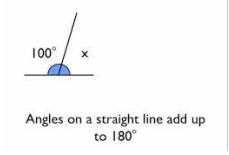
Shape

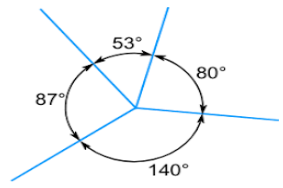
- Angles on intersecting lines and shapes
- Draw quadrilaterals , triangles and nets
- Properties of shape including circles

Position/direction

- Describe translations and reflections

- Angles in triangles and quadrilaterals
- Draw quadrilaterals, triangles and nets
- Angles on intersecting lines





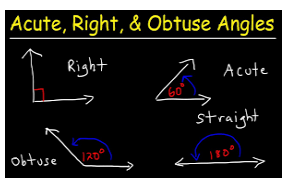
YEAR 5

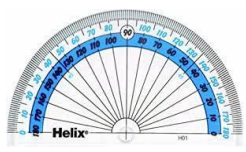
Shape/Angles

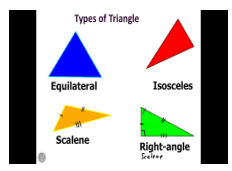
- Describe points
- Angles on a line
- Angles at a point
- Draw angles
- Measure angles

Position/direction

- Plot coordinates
- Describe position of a 2d shape in first quadrant







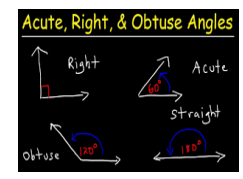
YEAR 4

Shape/Angles

- Recognise acute, obtuse angles
- Find right angles
- Describe turns using angles
- Find angles and link to number of sides
- Know what an angle is
- Perpendicular, parallel, vertical and horizontal lines
- Draw 2d and 3d shapes

Shape

- Classify types of triangles and quadrilaterals
- Describe translations
- Identify and make symmetrical figures
- Compare types of angles



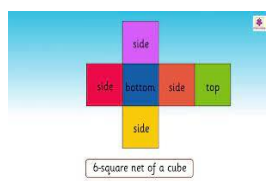
Position/direction

- Describe position of a 2d shape in first quadrant

YEAR 3

Shape

- Identify and count faces
- 3D
- Classify using faces, edges, vertices
- Construct nets and make shapes
- Identify properties



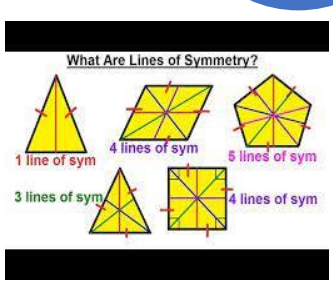
Position/direction

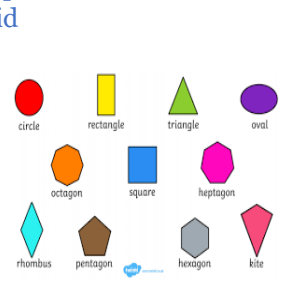
- Clockwise and anti-clockwise

YEAR 2

Shape

- Draw shapes
- 2D
- Move shapes on a grid
- Lines of symmetry
- Number of vertices
- Identify the number of sides





Position/direction

- Turn using quarter, half and three quarter

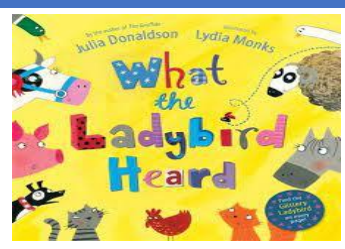
Shape

- Name and identify 2D and 3D shapes

YEAR 1

Position/direction

- Left and right
- Describe position of objects in relation to others
- Make and describe turns
- Describe movement using varied language



Shape

- Group 2D shapes according to different criteria
- Sort shapes

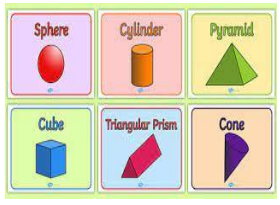


- Use shapes for tasks
- Recognise circle, square, triangle and rectangle

EYFS

Shape

- Use shape to create art
- Discuss properties of 2D and 3D shapes
- Name and identify common 2D and 3D shapes



Position

- Continue, copy and create repeating patterns.
- Confidently use positional language



Position

- Use positional language and describe a familiar route

Shape

- Shows interest in awareness of shape
- Notice simple patterns and recreate patterns