| TO UNDERSTAND PROPERTIES OF SHAPE | | | |
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| | **Milestone 1** | **Milestone 2** | **Milestone 3** |
| **Properties of shapes** | • **Recognise and name common 2D shapes** presented in different orientations (Y1)<br>• **Describe the properties of 2D shapes, including the number of sides and symmetry in a vertical line (Y2)**<br>• **Recognise and name common 3D shapes** presented in different orientations (Y1)<br>• **Describe the properties of 3D shapes, including the number of edges, vertices and faces (Y2)**<br>• **Compare and sort common 2D and 3D shapes and everyday objects.**<br>• **Identify 2D shapes on the surface of 3D shapes e.g. a circle on a cylinder (Y2)** | • **Draw 2-D shapes and make 3-D shapes using modelling materials (Y3)**<br>• **Recognise 3-D shapes in different orientations and describe them (Y3)**<br>• Recognise right angles as a property of shape or a description of a turn, and identify right angles in 2D shapes presented in different orientations (Y3)<br>• **Compare and classify shapes, including quadrilaterals and triangles (Y4)**<br>• **Identify horizontal and vertical lines and pairs of perpendicular and parallel lines (Y3)**<br>• Draw polygons by joining marked points, and identify parallel and perpendicular sides **(Y3)**<br>• **Identify acute and obtuse angles and compare and order angles up to two right angles by size (Y4)**<br>• **Identify lines of symmetry in 2-D shapes presented in different orientations (Y4)**<br>• **Complete a simple symmetric figure with respect to a specific line of symmetry (Y4)** | • **Identify 3-D shapes, including cubes and other cuboids, from 2-D representations (Y5)**<br>• **Recognise, describe and build simple 3-D shapes, including making nets.**<br>• **Distinguish between regular and irregular polygons.**<br>• Draw 2-D shapes using given dimensions and angles.<br>• **Know angles are measured in degrees.**<br>• **Estimate and compare acute, obtuse and reflex angles.**<br>• **Draw and measure angles in degrees.**<br>• **Identify:**<br>- **angles at a point and one whole turn (total 360o)**<br>- **angles at a point on a straight line and 1/2 a turn (total 180o)**<br>- **other multiples of 90o**<br>• **Use the properties of rectangles to deduce related facts and find missing lengths and angles.**<br>• **Recognise angles where they meet at a point, are on a straight line, or are vertically opposite and find missing angles (Y6)**<br>• **Find unknown angles in any triangles, quadrilaterals, and regular polygons (Y6)**<br>• **Draw, compose, and decompose shapes according to given properties, including dimensions, angles and area, and solve related problems (Y6)**<br>• **Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius (Y6)** |

**In bold – National curriculum objectives for the year group.**

In blue - Ready-to-progress criteria identified as the most important conceptual knowledge and understanding that pupils need as they progress to the next year's curriculum.