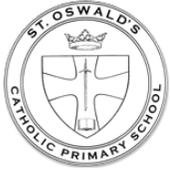


St Oswald's Catholic Primary School – Progression Map 2021-2022

Geometry: Properties of Shapes

IDENTIFYING SHAPES AND THEIR PROPERTIES

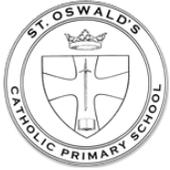
IDENTIFYING SHAPES AND THEIR PROPERTIES						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6



St Oswald's Catholic Primary School – Progression Map 2021-2022

Geometry: Properties of Shapes

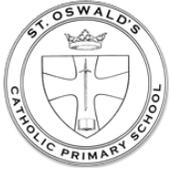
<p>To show an interest in shape and space by playing with shapes or making arrangements with objects.</p> <p>To show interest in shape by sustained construction activity or by talking about shapes or arrangements.</p> <p>To show interest in shapes in the environment. To use shapes appropriately for tasks.</p> <p>To begin to talk about shapes in everyday objects, e.g. 'round' and 'tall'.</p>	<p>Recognise and name common 2-D and 3-D shapes, including:</p> <ul style="list-style-type: none"> * 2-D shapes [e.g. rectangles (including squares), circles and triangles] * 3-D shapes [e.g. cuboids (including cubes), pyramids and spheres]. <p>1G-1</p>	<p>Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line</p> <p>2G-1</p> <p>identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</p> <p>2G-1</p>		<p>Identify lines of symmetry in 2-D shapes presented in different orientations</p> <p>4G-3</p>	<p>Identify 3-D shapes, including cubes and other cuboids, from 2-D representations</p>	<p>Recognise, describe and build simple 3-D shapes, including making nets (appears also in Drawing and Constructing)</p>
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St Oswald's Catholic Primary School – Progression Map 2021-2022

Geometry: Properties of Shapes

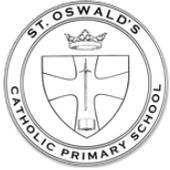
<p>To begin to use mathematical names for 'solid' 3D shapes and 'flat' 2D shapes, and mathematical terms to describe shapes. To select a particular named shapes.</p> <p>To explore characteristics of everyday objects and shapes and use mathematical language to describe them.</p>		<p>Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]</p>				<p>Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius</p>
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Geometry: Properties of Shapes

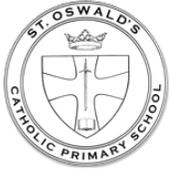
DRAWING AND CONSTRUCTING						
	Compose 2D and 3D shapes from smaller shapes to match an example, including manipulating shapes to place them in particular orientations. 1G-2		Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them	Reflect shapes in a line of symmetry and complete a simple symmetric figure or pattern with respect to a specific line of symmetry 4G-3	Compare angles, estimate and measure angles in degrees ($^{\circ}$) and draw angles of a given size. 5G-1	Draw 2-D shapes using given dimensions and angles 6G-1



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Geometry: Properties of Shapes

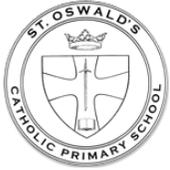
			<p>Draw polygons by joining marked points, and identify parallel and perpendicular sides</p> <p>3G-2</p>			<p>Recognise, describe and build simple 3-D shapes, including making nets (appears also in Identifying Shapes and Their Properties)</p> <p>6G-1</p>
COMPARING AND CLASSIFYING						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
To show awareness of similarities of shapes in the environment.		<p>Compare and sort common 2-D and 3-D shapes and everyday objects</p> <p>2G-1</p>		<p>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</p>	<p>Use the properties of rectangles to deduce related facts and find missing lengths and angles</p>	<p>Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and</p>



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Geometry: Properties of Shapes

					Distinguish between regular and irregular polygons based on reasoning about equal sides and angles	regular polygons
ANGLES						
			Recognise angles as a property of shape or a description of a turn		Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles	
			Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle 3G-1	Identify acute and obtuse angles and compare and order angles up to two right angles by size	identify: * angles at a point and one whole turn (total 360°) * angles at a point on a straight line and $\frac{1}{2}$ a turn (total 180°) * other multiples of 90°	Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles
			Identify right angles in 2D shapes presented in different orientations.			



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Geometry: Properties of Shapes

			3G-1			
			Identify horizontal and vertical lines and pairs of perpendicular and parallel lines			