

IDENTIFYING SHAPES AND THEIR PROPERTIES								
Pre FS	FS1	FS2	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight',		recognise and name common 2- D and 3-D shapes, including: * 2-D shapes [e.g. rectangles (including squares), circles and triangles] * 3-D shapes [e.g. cuboids (including cubes), pyramids and	identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line	real 5	identify lines of symmetry in 2-D shapes presented in different orientations	identify 3-D shapes, including cubes and other cuboids, from 2-D representations	recognise, describe and build simple 3- D shapes, including making nets (appears also in Drawing and Constructing)
	'flat', 'round'	compose and decompose shapes so that	spheres].	identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces identify 2-D shapes on the surface of 3-D shapes, [for example, a circle				illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius











	children recognise a shape can have other shapes within it, just as numbers can	on a cylinder and a triangle on a pyramid]				
		DRAWING AND	D CONSTRUCTING			
build with a select shape range of appropriate resources flat surfaces for building, triangular prism for a roof etc combine shapes to make new ones - an arch, a bigge	ly: 5 , a		draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them	complete a simple symmetric figure with respect to a specific line of symmetry	draw given angles, and measure them in degrees (°)	draw 2-D shapes using given dimensions and angles recognise, describe and build simple 3- D shapes, including making nets (appears also in Identifying Shapes and Their Properties)











triangle etc							
COMPARING AND CLASSIFYING							
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
		compare and sort common 2-D and 3-D shapes and everyday objects		compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes	use the properties of rectangles to deduce related facts and find missing lengths and angles distinguish between regular and irregular polygons based on reasoning about equal sides and angles	compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons	
· · · · · ·			ANGLES	I			
			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	identify acute and obtuse angles and compare and order angles up to two right angles by size	<ul> <li>identify:</li> <li>angles at a point and one whole turn (total 360°)</li> <li>angles at a point on a straight line and ½ a turn (total 180°)</li> </ul>	recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles	











whether angles are	* other multiples of 90°
greater than or less	
than a right angle	
identify horizontal and	
vertical lines and pairs	
of perpendicular and	
parallel lines	



