Geometry: Properties of Shapes

IDENTIFYING SHAPES AND THIER PROPERTIES					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
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 spheres]. Autumn 3	identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line Autumn 3		identify lines of symmetry in 2-D shapes presented in different orientations Summer 4	identify 3-D shapes, including cubes and other cuboids, from 2-D representations Summer 1	recognise, describe and build simple 3-D shapes, including making nets (appears also in Drawing and Constructing) Summer 1
	identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces Spring 3				illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius Summer 1
	recognise and name common 3- D shapes [for example, cuboids (including cubes), pyramids and spheres Autumn 3				
	identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid] Autumn 3				
DRAWING AND CONSTRUCTING					
		draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them Summer 4	complete a simple symmetric figure with respect to a specific line of symmetry Summer 4	draw given angles, and measure them in degrees (^{o}) Summer 2	draw 2-D shapes using given dimensions and angles Summer 1
					recognise, describe and build simple 3-D shapes, including making nets

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					(appears also in Identifying Shapes and Their Properties) Summer 1

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 Autumn 3		compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes Summer 4	use the properties of rectangles to deduce related facts and find missing lengths and angles Summer 1	compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons Summer 1
			distinguish between regular and irregular polygons based on reasoning about equal sides and angles Summer 1		

ANGLES					
		recognise angles as a property of shape or a description of a turn Summer 4		know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles Summer 2	find unknown angles in any triangles, quadrilaterals, and regular polygons Summer 1
		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	identify acute and obtuse angles and compare and order angles up to two right angles by size Summer 4	identify: * angles at a point and one whole turn (total 360°) * angles at a point on a straight line and ½ 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 Summer 1

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		Summer 4		Summer 2	
		identify horizontal and vertical lines and pairs of perpendicular and parallel lines Summer 4			