



IDENTIFYING SHAPES AND THIER PROPERTIES							
Nursery	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Select shapes appropriately e.g. flat shapes for building	Select, rotate and manipulate shapes in order to develop spatial reasoning skills	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].	identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line		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)
			identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces				illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius
			identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]				
DRAWING AND CONSTRUCTING							
Select shapes appropriately e.g. flat shapes for building	Investigate composing and decomposing shapes and			draw 2-D shapes and make 3-D shapes using modelling	complete a simple symmetric figure with respect to a	draw given angles, and measure them in degrees ($^{\circ}$)	draw 2-D shapes using given dimensions and angles

Geometry Properties of shapes



**Burford
Primary School**

'Respect, Aspire, Achieve'

based on NCETM Progression maps

Combine shapes to make a new one	recognise that a shape can have other shapes inside it			materials; recognise 3-D shapes in different orientations and describe them	specific line of symmetry		recognise, describe and build simple 3-D shapes, including making nets (appears also in Identifying Shapes and Their Properties)
COMPARING AND CLASSIFYING							
Nursery	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Select shapes appropriately e.g. flat shapes for building Combine shapes to make a new one	Investigate composing and decomposing shapes and recognise that a shape can have other shapes inside it		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							
				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	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 horizontal and vertical lines and pairs of perpendicular and parallel lines			