	Maths Geometry – Properties o	of Shapes: Progression of Skills
	EYF	=S
	Recognise 2D and 3D Shapes and their Properties	Compare and Classify Shapes
Three and four year olds (nursery)	 Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners', 'straight', 'flat', 'round'. Select shapes appropriately: flat surfaces for a building, a triangular pattern 	
	for a roof, etc.	
Reception	 Combine shapes to make new ones – an arch, a bigger triangle, etc. Select, rotate and manipulate shapes in order to develop spatial reasoning skills. 	Compose and decompose shapes so that children can recognise a shape can have other shapes within it, just as numbers can.
Early Learning Goals (End of Reception)		
	KS	1
Year 1:	 recognise and name common 2-D shapes e.g. rectangles (including squares), recognise and name common 3-D shapes e.g. cuboids (including cubes), pyra 	<u>~</u>
Year 2:	 identify and describe the properties of 2-D shapes, including the number of sice identify and describe the properties of 3-D shapes, including the number of ede identify 2-D shapes on the surface of 3-D shapes e.g. a circle on a cylinder and compare and sort common 2-D and 3-D shapes and everyday objects 	lges, vertices and faces
	KS	2
<u>Year 3</u> :	 draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D recognise angles as a property of shape or a description of a turn identify right angles, recognise that two right angles make a half-turn, three mathan or less than a right angle identify horizontal and vertical lines and pairs of perpendicular and parallel line 	ake three quarters of a turn and four a complete turn; identify whether angles are greater
Year 4:	 compare and classify geometric shapes, including quadrilaterals and triangles, it identify acute and obtuse angles and compare and order angles up to two right identify lines of symmetry in 2-D shapes presented in different orientations complete a simple symmetric figure with respect to a specific line of symmetry begin to recognise where angles are greater than two right angles. Know the te Begin exploring line symmetry with two lines of symmetry. 	angles by size

Year 5:	 identify 3-D shapes, including cubes and other cuboids, from 2-D representations know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles
	• draw given angles, and measure them in degrees (°)
	 identify angles at a point and one whole turn (total 360°) identify angles at a point on a straight line and 1/2 a turn (total 180°)
	• identify other multiples of 90°
	• 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
Year 6:	• draw 2-D shapes using given dimensions and angles
	 recognise, describe and build simple 3-D shapes, including making nets compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons
	• illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius
	• recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles
	Maths Statistics: Progression of Skills
	EYFS
	Record, Present and Interpret Data
Three and	Experiment with their own symbols and marks, as well as numerals.
four year	
olds (nursery)	
Reception	
Early	
Learning	
Goals (End of	
Reception)	
	KS1
Year 1:	
Year 2:	interpret and construct simple pictograms, tally charts, block diagrams and simple tables
	ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity
	ask and answer questions about totalling and comparing categorical data
	KS2
<u>Year 3</u> :	interpret and present data using bar charts, pictograms and tables
•	• solve one-step and two-step questions e.g. 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables

Year 4:	 interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs
Year 5:	 solve comparison, sum and difference problems using information presented in a line graph complete, read and interpret information in tables, including timetables
Year 6:	 interpret and construct pie charts and line graphs and use these to solve problems calculate and interpret the mean as an average