CG Maths Progression Map – Geometry (properties of shape)											
	<b>EYFS</b>	Year 1	Year 2	<u>Year 3</u>	Year 4	Year 5	Year 6				
Shape Vocabulary		•recognise and name common 2-D shapes (e.g. Square, circle, triangle) •recognise and name common 3-D shapes (e.g. Cubes, cuboids, pyramids & spheres)	vertices, edges, faces, symmetry)	•identify horizontal and vertical lines and pairs of perpendicular and parallel lines			•illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius				
Properties of 2-d shape	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.		•identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. •compare and sort common 2-D and 3-D shapes and everyday objects.	•draw 2-D shapes	•compare and classify geometric shapes, including quadrilaterals and triangles, based on properties and sizes •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.	• 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.	•draw 2-D shapes using given dimensions and angles compare and classify geometric shapes based on their properties and sizes				
Properties of3-d shape	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		•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. compare and sort common 2-D and 3-D	•make 3-D shapes using modelling materials recognise 3-D shapes in different orientations and describe them		•identify 3-D shapes, including cubes and other cuboids, from 2-D representations	•recognise, describe and build simple 3-D shapes, including making nets •find unknown angles in any triangles, quadrilaterals, and regular polygons				

	shapes within it, just		shapes and everyday				
	as numbers can.		objects.				
	as nombers can.		Objects.				
				•recognise angles as a	•identify acute and	•know angles are	•recognise angles
				property of shape or a	obtuse angles and	measured in degrees:	where they meet at a
				description of a turn	compare and order	estimate and compare	point, are on a straight
				•identify right angles,	angles up to two right	acute, obtuse and	line, or are vertically
νı				recognise that two right angles make a half-turn,	angles by size	reflex angles •draw given angles,	opposite, and find missing angles
Angles				three make three		and measure them in	Thissing drigies
) g				quarters of a turn and		degrees (°) • identify	
₽				four a complete turn		angles at a point and	
				<ul> <li>identify whether angles</li> </ul>		one whole turn (total	
				are greater or less than		360°); at a point on a	
				right angle		straight line and ½ a	
						turn (total 180°) •identify other multiples of 90°	
	Draw information	• describe position,	order and arrange		•describe positions on a	•identify, describe and	describe positions on
	from a simple map.	direction and	combinations of		2-D grid as coordinates	represent the position of	the full coordinate grid
c l	Continue, copy and	movement, including	mathematical objects in		in the first quadrant	a shape following a	(all four quadrants)
<u>.</u>	create repeating	whole, half, quarter	patterns and		<ul> <li>describe movements</li> </ul>	reflection or translation,	• draw and translate
Direction	patterns.	and three-quarter	sequences.		between positions as	using the appropriate	simple shapes on the
<u>ə</u>	рапень.	turns.	•use mathematical		translations of a given	language, and know	coordinate plane, and
		101115.	vocabulary to describe		unit to the left/right and	that the shape has not	reflect them in the axes.
∞ర			position, direction and movement, including		up/down • plot specified points	changed	
L C			movement, including movement in a straight		•pioi specified points and draw sides to		
Position			line and distinguishing		complete a given		
S			between rotation as a		polygon		
حّ			turn and in terms of right				
			angles for quarter, half				
			and ¾ turns				