## Geometry - Cambo

	Properties of Shapes	Position & Direction
1	Recognise and name common 2-D and 3-D shapes, including:	Describe position, direction and movement, including whole, half,
	2-D shapes [for example, rectangles (including squares), circles and triangles]	quarter and three-quarter turns
	3-D shapes [for example, cuboids (including cubes), pyramids and spheres].	
2	Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a	Order and arrange combinations of mathematical objects in
	vertical line.	patterns and sequences.
	Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.	Use mathematical vocabulary to describe position, direction and
	Identify 2-D shapes on the surface of 3-D shapes [for example, a circle on a cylinder and a triangle on a	movement, including movement in a straight line and distinguishing
	pyramid].	between rotation as a turn and in terms of right angles for quarter,
	Compare and sort common 2-D and 3-D shapes and everyday objects.	half and three-quarter turns (clockwise and anti-clockwise)
3	Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different	
	orientations and describe them.	
	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 make three quarters of a	
	turn and four a complete turn; identify whether angles are greater than or less than a right angle.	
	Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.	
4	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties	Describe positions on a 2-d grid as coordinates in the first
	and sizes.	quadrant.
	Identify acute and obtuse angles and compare and order angles up to two right angles by size.	Describe movements between positions as translations of a given
	Identify lines of symmetry in 2-d shapes presented in different orientations.	unit to the left/right and up/down.
	Complete a simple symmetric figure with respect to a specific line of symmetry	Plot specified points and draw sides to complete a given polygon.
5	Identify 3-D shapes, including cubes and other cuboids, from 2-D representations.	Identify, describe and represent the position of a shape following a
	Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles.	reflection or translation, using the appropriate language, and know
	Draw given angles, and measure them in degrees (°).	that the shape has not changed.
	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°.	
	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.	
6	Draw 2-D shapes using given dimensions and angles.	Describe positions on the full coordinate grid (all four quadrants).
	Recognise, describe and build simple 3-D shapes, including making nets.	Draw and translate simple shapes on the coordinate plane, and
	Compare and classify geometric shapes based on their properties and sizes and find unknown angles in	reflect them in the axes.
	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.	