



# Mathematics Progression of Skills

## Geometry – Position and Direction

2 Years	3 / 4 Years	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>POSITION, DIRECTION AND MOVEMENT</b>								
	Understand position through words alone, e.g. 'The bag is under the table' with no pointing.		Describe position, direction and movement, including whole, half, quarter and three-quarter turns.	Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)		Describe positions on a 2-D grid as coordinates in the first quadrant	Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed	Describe positions on the full coordinate grid (all four quadrants)
	Describe a familiar route.					Describe movements between positions as translations of a given unit to the left/right and up/down		Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.
	Discuss routes and locations using words like 'in front of', 'behind'.					Plot specified points and draw sides to complete a given polygon		
<b>PATTERN</b>								
Notice patterns and arrange things in patterns.	Extend and create ABAB patterns, e.g. stick, leaf, stick, leaf.	Continue, copy and create repeating patterns – ABB, ABC, ABBC	Begin to order and arrange combinations of mathematical objects in patterns and sequences.	Confidently order and arrange combinations of mathematical objects in patterns and sequences.				
	Notice and correct an error in a repeating pattern.							
	Talk about and identify patterns around them.							