

Mathematics – Geometry – Position, direction and movement



	POSITION, DIRECTION AND MOVEMENT					
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5
Begin to think about forward and backwards	To use everyday language to talk about position and distance	describe position, direction and movement, including 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 describe movements between positions as translations of a given unit to the left/right and up/down	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
					plot specified points and draw sides to complete a given polygon	
	PATTERN					
Make a simple repeating pattern	Recognise, describe and create patterns		order and arrange combinations of mathematical objects in patterns and sequences			

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Vocabulary						
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5
Forward Backward Pattern Up Down	Under On top Front Back Below Behind Sideways	Position Direction Half turn Quarter turn Straight Left Right	Clockwise Anti-clockwise Three quarter line Diagonal Rotation Repeating pattern		Quadrant Co-ordinates Grid Axis Translations plot	Reflection