

Geometry: Position and Direction

	Reception		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
POSITION, DIRECTION AND MOVEMENT	Understand position through words alone - for example, "The bag is under the table," - with no pointing.	Draw information from a simple map	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	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		
	Discuss routes and locations, using words like 'in front of' and 'behind'.					plot specified points and draw sides to complete a given polygon		
PATTERN	Talk about and identify the patterns around them. For example, stripes on clothes, designs on rugs and wallpaper. Use informal language like 'pointy', 'spotty', 'blobs', etc.	Continue, copy and create repeating patterns		order and arrange combinations of mathematical objects in patterns and sequences				
	Extend and create ABAB							

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	patterns - stick, leaf, stick, leaf. Notice and correct an error in a repeating pattern.							
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