

Geometry: Position and Direction

POSITION, DIRECTION AND MOVEMENT							
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
use positional language to describe shape arrangement	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)	
fit shapes together and break apart to make new shapes				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.
replicate simple models							
				plot specified points and draw sides to complete a given polygon			
PATTERN							
create simple patterns using 2d shapes, natural materials and other objects		order and arrange combinations of mathematical objects in patterns and sequences					
Language							
	Top, middle, bottom Turn Front, back Infront, behind Around close to between far near up down forwards backwards inside	Pattern sequence Quarter turn		Translate Left right up down X Axis Y axis Coordinates Position plot	Reflect/Reflection Translate/Translation Vertices Rotate turn flip Mirror image Horizontal and vertical	Quadrant Positive and negative minus	

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	outside Whole turn half turn quarter turn three quarter turn clockwise anticlockwise					
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