

Bowmansgreen Primary School

Progression of Geometry: Position and Direction

National Curriculum (Statutory Requirements)

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Describe position,	Order and arrange		Describe positions on a	Identify, describe and represent	Describe positions on the full coordinate grid
	direction and	combinations of mathematical		2-d grid as coordinates	the position of a shape following	(all four quadrants).
	movement, including	objects in patterns and		in the first quadrant.	a reflection or translation, using	
	whole, half, quarter	sequences.			the appropriate language, and	Draw and translate simple shapes on the
	and three-quarter			Describe movements	know that the shape has not	coordinate plane, and reflect them in the axes.
	turns.	Use mathematical vocabulary		between positions as	changed.	
		to describe position, direction		translations of a given		
		and movement, including		unit to the left/right		
		movement in a straight line		and up/down.		
		and distinguishing between				
		rotation as a turn and in terms		Plot specified points		
		of right angles for quarter, half		and draw sides to		
		and three-quarter turns		complete a given		
		(clockwise and anti-		polygon.		
		clockwise).				

Notes and Guidance (Non-Statutory)

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Notice, describe and extend	Pupils use the language of	Pupils should work with		Pupils draw a pair of	Pupils recognise and	Pupils draw and label a pair of axes in all four quadrants
patterns. In repeating	position, direction and	patterns of shapes,		axes in one quadrant,	use reflection and	with equal scaling. This extends their knowledge of one
patterns, they think about	motion, including: left and	including those in		with equal scales and	translation in a variety	quadrant to all four quadrants, including the use of
what part is repeated.	right, top, middle and	different orientations.		integer labels. They	of diagrams, including	negative numbers.
	bottom, on top of, in front			read, write and use	continuing to use a 2-D	
Recognise, create and	of, above, between,	Pupils use the concept and		pairs of coordinates (2,	grid and coordinates in	Pupils draw and label rectangles (including squares),
describe patterns.	around, near, close and far,	language of angles to		5) including using	the first quadrant.	parallelograms and rhombuses, specified by coordinates
Commons and alonsific	up and down, forwards and	describe 'turn' by applying		coordinate-plotting ICT	Reflection should be in	in the four quadrants, predicting missing coordinates
Compare and classify	backwards, inside and	rotations, including in		tools.	lines that are parallel to	using the properties of shapes. These might be
objects using given criteria	outside.	practical contexts (for			the axes.	expressed algebraically for example, translating vertex
and own ideas.	Pupils make whole, half,	example, pupils				(a, b) to (a-2, b+3); (a, b) and (a+d, b+d) being opposite
Dovolon spatial thinking	quarter and three-quarter	themselves moving in				vertices of a square of side d.
Develop spatial thinking and spatial language linked	turns in both directions and	turns, giving instructions				
to position and directions,	connect turning clockwise	to other pupils to do so,				
both in movements and	with movement on a clock	and programming robots				
represented using symbols.	face.	using instructions given in				
		right angles).				