

Maths Curriculum Progression

Geometry – Position and Direction							
Patterns							
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>Show an interest in shape and space by making arrangements with objects</p> <p>Show interest in shape by talking about shapes or arrangements</p>	<p>Use familiar objects and common shapes to create and recreate patterns</p> <p>ELG: Recognise, create and describe patterns</p>	<p><i>Recognise and create repeating patterns with objects and shapes</i></p>	<p>Order and arrange combinations of mathematical objects in patterns and sequences</p>				
Position and direction							
<p>Use positional language</p>	<p>Can describe their relative position such as 'behind' or 'next to'</p> <p>ELG: Use everyday language to talk about position and to solve problems</p>	<p>Describe position and direction, including half, quarter and three-quarter turns.</p>	<p>Use mathematical vocabulary to describe position, 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)</p>				
Coordinates (including reflection and translation)							

				<i>Describe positions on a square grid labelled with letters and numbers</i>	Describe positions on a 2-D grid as coordinates in the first quadrant	<i>Describe positions on the first quadrant of a coordinate grid</i>	Describe positions on the full coordinate grid (all four quadrants)
					Plot specified points and draw sides to complete a given polygon	<i>Plot specified points and complete shapes</i>	
					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	Draw and translate simple shapes on the coordinate plane, and reflect them in the axes
Vocabulary							

over
under
underneath
above
below
top
bottom
side
on,
in
outside
inside
in front
behind
front
back
before
after
beside, next to
middle
up
down
forwards
backwards
sideways
close
far through
towards
away from side

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