

Geometry: Position and Direction



POSITION, DIRECTION AND MOVEMENT

<p>Nursery</p> <p>describe position using behind or next to make arrangements with objects</p>		<p>Reception</p> <p>explore circles and triangles (positional language) recognise places and models in different positions replicate simple constructions, models and places select and rotate shapes to fill a given space match arrangements of shapes using positional language use positional language to describe where objects are make maps and plans to represent places and use these to see where things are in relation to other things</p>			
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
describe position, direction and movement,	use mathematical vocabulary to describe position,		describe positions on a 2-D grid as coordinates in the first quadrant	identify, describe and represent the position of a shape	describe positions on the full coordinate grid (all four quadrants)

<p>including half, quarter and threequarter turns.</p>	<p>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)</p>		<p>describe movements between positions as translations of a given unit to the left/right and up/down plot specified points and draw sides to complete a given polygon</p>	<p>following a reflection or translation, using the appropriate language, and know that the shape has not changed</p>	<p>draw and translate simple shapes on the coordinate plane, and reflect them in the axes.</p>
--	---	--	--	---	--

PATTERN

<p>Nursery use shapes to create and recreate patterns</p>	<p>Reception make, copy and continue simple patterns say complex patterns aloud copy, continue and create a widening range of repeating patterns and symmetrical constructions</p>
--	---

	<p>order and arrange combinations of mathematical objects in patterns and sequences</p>				
--	---	--	--	--	--

