

Misterton Primary and Nursery School – Maths: Geometry (Position and Direction)

Progression Document

Key Areas	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Position, Direction and Movement	<i>Know that there are different positions that objects can be in and that they can be moved</i>	Know how to describe position, direction and movement, including half, quarter and three-quarter turns.	<i>Know how to 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)</i>	<i>Know how to 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)</i>	<i>Know how to 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)</i> Know how to describe movements between positions as translations of a given unit to the left/right and up/down Know how to plot specified points and draw sides to complete a given polygon	Know how to 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	Know how to describe positions on the full coordinate grid (all four quadrants) Know how to draw and translate simple shapes on the coordinate plane, and reflect them in the axes.
Pattern	<i>Know there are patterns in objects and they can be repeated</i>	<i>Know how to order and arrange objects into patterns</i>	Know how to order and arrange combinations of mathematical objects in patterns and sequences	<i>Know how numbers can appear in sequences and patterns</i>	<i>Know numbers can appear in repeated patterns and describe them using mathematical language</i>	<i>Know position and direction, reflection and translation – see measurement</i>	<i>Know how to use position and direction, reflection and translation in measurement confidently</i>