

William Stukeley C of E School
 Maths Curriculum Progression

Geometry: Position and Direction

POSITION, DIRECTION AND MOVEMENT

| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|--|---|--|--------|---|---|--|
| | 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 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 | describe positions on the full coordinate grid (all four quadrants) draw and translate simple shapes on the coordinate plane, and reflect them in the axes. |
| | | | | plot specified points and draw sides to complete a given polygon | | |
| PATTERN | | | | | | |
| Continue, copy and create repeating patterns | | order and arrange combinations of mathematical objects in patterns and sequences | | | | |

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| VOCABULARY | | | | | | | |
|--|--|---------------------------------|---|----------------|--------------|----------------------------------|--------------------|
| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | |
| Over, under, underneath, above, below, top, bottom, side | Position | Rotation | Greater/less than ninety degrees | Coordinates | Reflex angle | Four quadrants (for coordinates) | |
| On, in, outside, inside | Over, under, underneath, above, below, top, bottom, side | Clockwise, anticlockwise | Orientation (same orientation, different orientation) | Translation | Dimensions | | |
| In front, behind Front, back | on, in, outside, inside | Straight line | | x-axis, y-axis | Quadrant | | Perimeter and area |
| Before, after | around, in front, behind | Ninety degree turn, right angle | | | | | |
| Besides, next to | Front, back | | | | | | |
| Middle | Before, after | | | | | | |
| Up, down, forwards, backwards. Sideways | Besides, next to, Opposite | | | | | | |
| Close, far | Apart | | | | | | |
| Through | Between, middle, edge, centre | | | | | | |
| Towards, away from | Corner | | | | | | |
| Side, roll, turn | Direction | | | | | | |
| | Journey | | | | | | |
| | Left, right, up, down, forwards, backwards, sideways | | | | | | |
| | Across | | | | | | |
| | Close, far, near | | | | | | |

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| | | | | | | |
|--|---|--|--|--|--|--|
| | Along, through To, from, towards, away from Movement Slide, roll, turn, whole turn, half turn Stretch, bend | | | | | |
|--|---|--|--|--|--|--|