



**St. Joseph's Catholic Primary School**  
**Progression in Geometry, Position and Direction**



| <b>POSITION, DIRECTION AND DIRECTION</b>   |  |  |  |  |   |   |
|--|--|--|--|--|---|---|
| <b>R</b>   | <b>Y1</b>  | <b>Y2</b>  | <b>Y3</b>  | <b>Y4</b>  | <b>Y5</b>   | <b>Y6</b>   |
| Develop spatial vocabulary and use the language of position and direction (e.g.) in, or, under, up, down, across<br>-Develop spatial awareness and looking at objects/shapes from different viewpoints.<br>-Represent spatial relationships (e.g.) In front of, behind and on top. | describe position, direction and movement, including half, quarter, three-quarter and whole 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) | 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                              | 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)                     |
|  |  |  |  | describe movements between positions as translations of a given unit to the left/right and up/down |   | draw and translate simple shapes on the coordinate plane, and reflect them in the axes. |
|  |  |  | <b>(Consolidation from Year 2)</b>   | Plot specified points and draw sides to complete a given polygon                                   |   |   |

**PATTERN**

order and arrange  
combinations of  
mathematical  
objects in patterns  
and sequences