



Year 4 position and direction

Prior Knowledge

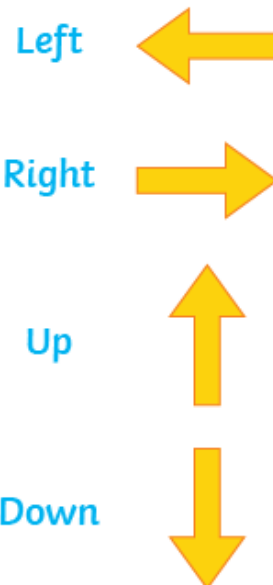
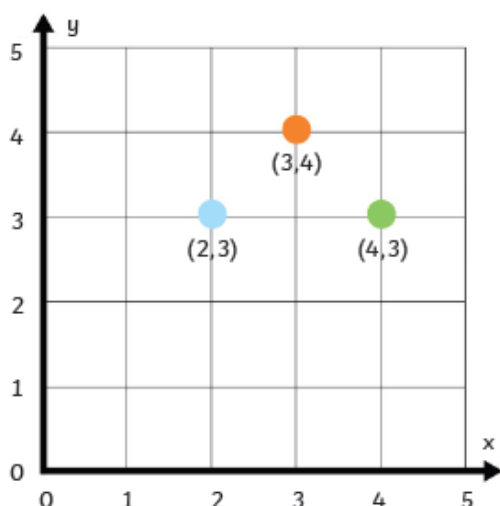
- Use of beebots
- Links to geography
- EGPS links (prepositions)
- Real life application – Forest School
- Describe position, directions and movements, including whole, half, quarter and three-quarter turns (Y1)
- Order and arrange combinations of mathematical objects in patterns and sequences (Y2)
- 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) (Y2)
- Telling the time

position and direction		Working Towards	Within	Expected	Above
	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				
	Plot specified points and draw sides to complete a given polygon				
Highlights: _____					



Glossary

The x-axis coordinate always comes first, with the y-axis coordinate after it. Just like in the alphabet, x comes before y!



Resources

beebots, grids, outside learning, chrome books, square paper and lego



Future Learning

Year 6

- Describe positions on the full coordinate grid (all 4 quadrants)
- Draw and translate simple shapes on the coordinate plane, and reflect them in the axes