

Planning Overview Year 1 Geometry Position and Direction

Describe position, direction and movement, including whole, half, quarter and threequarter turns

Teaching and Learning
Use a toy and a box to model vocab for common prepositions of
place. Ask children to place the toy in specific places. Extend to
include a chair and a cushion. Children to go on to give instructions to
each other.
Give children photos (2D representation) of a set of objects in a
certain arrangement – can one child describe the arrangement in the
photo? Can the other children recreate it following their description?
Play barrier games that link to work on 2D and 3D shapes if appropriate e.g. using multilink cubes 1 child creates a compound shape and describes it to another child as they build
Put the green cube on top of the yellow cube. Put a blue cube to the right of the yellow cube etc. Could extend to include a compare bear between the yellow and green cube or behind the wall/in front of the wall
<complex-block></complex-block>



Describe	Follow instructions to move yourself forwards, backwards and
direction and	sideways left and right through a maze in the classroom or chalked
movement	outside – direct a friend.
without turns	
(forwards	Colour in a route following given directions on a grid
hackwards	Write directions to match a shaded route
sidoways	
loft right up	Make treasure mans and write directions to the treasure
down)	
down)	Die two source burnt source on a QuQ suid with a four iterate of two source on
	Play treasure nunt game on a 9x9 grid with a few items of treasure on
	It. Start in centre square. Roll alce and araw a direction cara (forwards,
	backwards, left, right). Move as airected. If you land on treasure you
	win it. If you go off the edge go back to start.
	If the treasure is 5 steps away and you can move horizontally or
	vertically (not diagonally), where could it be? Could put a counter on
	your guess then get a second clue from there i.e. now it is 2 steps
	away – start to eliminate possibilities until you are sure where it is
Describe	Follow instructions to move yourself forwards and backwards and turn
direction and	left and right before moving forwards again to move in that direction.
movement	
with turns	Use a programmable toy like beebot to move forwards, backwards left
(forwards,	and right through a maze following instructions.
backwards,	
turn left, turn	Link to coding activities in Computing
right, up,	
down)	Look at given start and end positions. What route might the beebot
	have taken? Record the route use directional language
	Arrange numbers 1-12 as a clock face and direct a beebot or similar to
	go to different numbers
Describe	Children should respond to instructions to turn themselves to the right
turns (whole.	or the left. Start with a whole turn so you end up back at the beginning
half quarter	Extend to turn half-way round and a second half turn back to the
and three	beginning Finally turn 1 quarter at a time
quarter	beginning. I many tarri r quarter at a time.
turne)	
turns)	
	Key Stage 1
	Rey ouge 1
	BBC Hip Hop Granny is a fun way to practise.
	https://www.bbc.co.uk/teach/supermovers/ks1-maths-position-&-
	direction/zhh9scw



