

# Position and Direction

Maths | Year 1 | Area Overview

## Introduction

This geometry unit introduces children to the concepts of position, direction and movement, including whole, half, quarter and three-quarter turns. Children begin to associate turning clockwise with the movement on a clock face. Children learn to use the language of position, direction and motion, including: left and right, top, middle and bottom, on top of, in front of, above, between, around, near, close and far, up and down, forwards and backwards, inside and outside, clockwise and anticlockwise.

## Resources

In addition to your standard maths resources, you will need:

- access to a large open space, such as the hall or playground and PE equipment such as cones, hoops, balls and large apparatus;
- We're Going on a Bear Hunt by Michael Rosen;
- maps and aerial photographs of the school and the local area;
- internet access to Google Earth;
- large wall clock with a moving second hand.

## Assessment Statements

By the end of this unit...

### ...all children should be able to:

- describe where things are using the language of position, direction and motion.

### ...most children will be able to:

- describe where things are, including quarter, half and whole turns;
- follow instructions to move, change direction and turn;
- begin to recognise and use the clockwise direction to turn in.

### ...some children will be able to:

- begin to recognise and use the clockwise and anticlockwise directions to turn in.

## Solvelt Lesson Pack: Incy Wincy Spider

Help the spider find its way back to the web. This Solvelt Lesson investigates the different routes that can be taken by the spider along the window pane. It encourages the children to work methodically and to find all possibilities using the directional language of left and right.

## Starter Ideas

## Challenge Cards

## Display Pack

# Lesson Breakdown

Describe position, direction and movement, including whole, half, quarter and three-quarter turns.

## Position (1): Let's Move!

I can use and understand words about position and direction.

## Position (2): Under the Sea

I can describe the position of objects.

## Position (3): Inside the Bakery

I can draw items in a given position.

## Direction and Movement (1): Through the Woods

I can follow instructions for position, direction and movement.

## Direction and Movement (2): Out of this World

I can record instructions for position, direction and movement.

## Direction and Movement (3): Around the Town

I can give and follow instructions for position, direction and movement.

## Turns (1): Tile Turns

I can move a quarter turn, half turn, three-quarter turn and whole turn.

## Turns (2): Clockwise Corners

I can recognise and move in clockwise and anticlockwise turns.

## Turns (3): Humpty Dumpty Turns

I can give and follow instructions to move quarter, half, three-quarter and whole turns in clockwise and anticlockwise directions.

## Home Learning: Moving House

Differentiated homework activities for reinforcing the language of position and direction.