



# Reception Maths

## Shape, Space & Measures -Summer

### Shape

Shape and space are about developing visualising skills and understanding relationships. Children need opportunities to move both themselves and objects around, so they see things from different perspectives. The focus is on actively exploring spatial relations and the properties of shapes, in order to develop mathematical thinking

### Measures

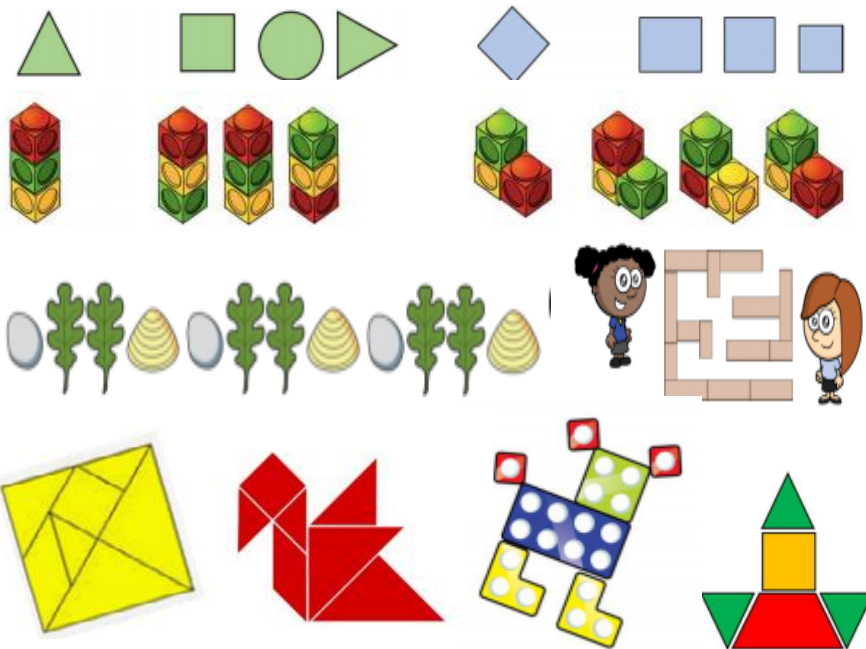
Measuring is based on the idea of using numbers of units in order to compare attributes, such as length or capacity. Children need to recognise which attribute is to be measured, and the idea of conservation; that the amount stays the same, even if the appearance alters. Children need to understand how equal size units are used repeatedly to express an amount as a number. Time - children can sequence events e.g. count 'sleeps'.

### Pattern

Children need the opportunity to see a pattern, to talk about what they can see, and to continue a pattern. Patterns can have a range of features such as varying objects, size or orientation.

### Overview

In EYFS our maths knowledge focuses mostly on Number, Shape, Space and Measures. We need to use maths everyday when playing games, building, cooking, telling the time and for almost any type of work.



### Vocabulary

Shape, circle, triangle, square, rectangle, star, Tangram  
Place, build, model, construct  
High, low, big, small, map  
Position, under, over, next to, on top, in front, behind, plan, maze, above, below, beside  
first, nest, then, after,

### Learning Outcomes

- To use positional language to describe where shapes are in relation to one another.
- To understand that shapes can be combined & separated to make new shapes.
- To replicate places and models.
- To use positional language to describe where objects are in relation to other items.
- To understand that we can make maps and plans to represent places.
- To describe and repeat a pattern.

### Useful books & websites

<https://whiterosemaths.com/homelearning/early-years/>

<http://www.crickweb.co.uk/Early-Years.html>

Snail Trail: a journey through Modern Art by Jo Saxton