

Learning and Growing with God by our Side



The Reception Learner

Working mathematically

By the end of Reception, children will recognise simple number patterns and be able to count reliably to 20. They will understand that numbers can be regrouped in different ways and begin to add and subtract practically. They will use a range of Mathematical vocabulary to describe concepts and make comparisons.

Subitising

Children will recognise number patterns without the need to count. They will be able to say whether patterns are the same or different and compare using vocabulary 'more' or 'less'. They will also create their own number patterns using a variety of Mathematical equipment,

Counting (Stable order)

Children will learn to count groups of objects by touching each object and saying the number names in the correct order. They will also use number names in order to count moving objects.

Measures

Children will compare the length or height of different objects using vocabulary such as 'taller', 'longer' and 'shorter'. They will use vocabulary such as 'wider' and 'thicker' to make comparisons. They will also compare the weight of different objects saying which are heavier and lighter. They will order objects using the criteria of length, thickness and weight.

Pattern recognition

Children will explore repeating patterns. They will describe what is the same and different and be able to continue a repeating pattern. They will create their own repeating patterns.

Classification

Children will explore different ways of sorting objects, using a variety of criteria. They will explain why an object belongs or does not belong to a particular group.

Counting (Cardinality)

Children will compare sets of objects and match to numerals. They will understand that the number name represents how many objects are in a set.

Using counting to compare

Use counting to compare quantities and totals. They will count forwards and backwards to identify the difference between sets of objects.

Spatial thinking

Children will describe the position of objects – say if it is in, on, under, on top or next to. They will also use simple directional language, such as forwards, backwards, turn, left and right.

Magnitude – ordering and estimating

Children will find 1 more and 1 less than a number. They will estimate the position of numbers on a number line.

Regrouping

Children will regroup numbers in different ways. They will learn that two parts added together make a whole. They will be able to explore the value of different parts of a whole, using practical equipment.

Ten and some more

Children will learn to make ten and some more using a range of equipment. They will learn to say the number names and match to the number in digits.

Doubling and halving

Children will explore doubling and halving using number patterns. They will represent finding half or double using practical equipment.

Odd and even numbers

Children will explore sharing objects into groups and say whether the groups are equal or not equal.

Counting beyond 20

Children will experience counting beyond 20 and develop awareness of pattern when counting. They will become aware that numbers in the counting system are grouped in tens.