

Knowledge - What do I already know

- Recognise numerals 0-5
- Subitise up to 5 objects. (Don't count, say the amount)
- To understand how to represent and compare numbers up to 5.
- To explore 2D shapes - circles, squares, rectangles, triangles and pentagons and talk about their properties.
- To understand the number system. Counting forward and backwards.
- To explore 1 more and 1 less than a number.
- To explore 3D shapes – sphere, cone, cube, cuboid and cylinder.
- To know the composition of numbers up to 5.

Knowledge - What I will learn – Spring Term

- Recognise numerals 6-10
- Understand how to represent and compare numbers up to 10.
- Have a deeper knowledge of numbers to 10, using subtraction and adding.
- Automatically re-call number bonds to 5.
- Count beyond 10.
- Continue, copy and create repeating patterns.
- Explore doubles.
- Explore 3D shapes.

How can you help at home?



Useful Websites:

- **Topmarks**

<https://www.topmarks.co.uk/Search.aspx?Subject=16&AgeGroup=1>

- **Cbeebies numeracy**

<https://www.bbc.co.uk/cbeebies/topics/numeracy>

- **Numberblocks**

<https://www.bbc.co.uk/iplayer/episodes/b08bzfnh/numberblocks>

Numberblocks is a fantastic way for your child to gain a deep understanding of how numbers work in a fun animated way.



Vocabulary:

Cardinality and counting

The cardinal value of a number refers to the quantity of things it represents, e.g. the numerosity, 'howmanyness', or 'threeness' of three. When children understand the cardinality of numbers, they know what the numbers mean in terms of knowing how many things they refer to. Counting is one way of establishing how many things are in a group, because the last number you say tells you how many there are. Children enjoy learning the sequence of counting numbers long before they understand the cardinal values of the numbers.

Subitising

Subitising is another way of recognising how many there are, without counting

Comparison

Comparing numbers involves knowing which number has more or less than each other. Children will begin to use 'more' or 'fewer' to compare quantities.

Composition

Understanding that 1 number can be made up of 2 or more smaller numbers. Children will begin to use 'add' and 'subtract' find 'how many are altogether'

Pattern

Developing an awareness of pattern helps young children to notice and understand mathematical relationships. Patterns can be made with objects like coloured cubes, small toys, buttons, and keys and with outdoor materials like pine cones and leaves

Shape and space

Understanding what happens when shapes move, or combine with other shapes, helps develop wider mathematical thinking

Knowledge - What I will learn – Spring Term
Examples of activities

Pattern

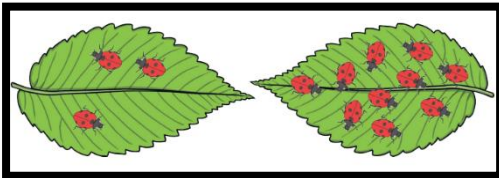


- Continue a more complex pattern. Red, red, yellow, blue, red, red, yellow, blue)
- Explore and create patterns with musical instruments, movements, and dance sequences.






Comparison

- Comparing numbers up to 10 by using language such as more/fewer/equal to describe quantities. Tell me about the ladybirds on the leaf.



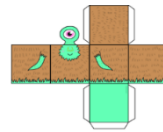
- Using tally charts to find out a favourite pet or favourite book. Which had the most votes?

		4
		5
		3

Shapes



- Printing with shapes: What footprint do you think this cylinder will make? What about if you roll it?
- Making 3D shapes by cutting and folding



Cardinality and counting



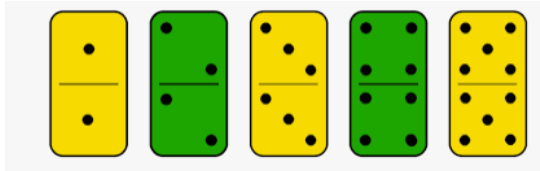
- Verbally count beyond 10. Playing games such as 'Hide and Seek' and 'What's the time Mr Wolf?'
- Singing songs and rhymes such as '10 Green Bottles' to aid counting backwards.
- Recognise numerals 6-10 and begin to put the numbers in the right order from 0-10.
- Matching the amount to the numeral



Composition



- Doubling numbers – dominos. Can you find the double dominos? I know double 2 is 4.



- Using subtraction to work out problems. If 5 frogs were sitting on a log but 2 jumped in the pond, how many are left on the log?



- Using addition to solve problems. The ladybird has 6 spots on one wing and 1 spot on the other. Ho many altogether?



- Number bonds with automatic recall and explore other number bonds to 10.

Number stories

