



Year 1 Maths Overview

Autumn Term	
Week 1	Number and Place Value: Numbers to 10 In this unit, pupils will explore numbers to 10. They will count using one-to-one correspondence and use ten frames to represent numbers. They will then write numbers using both numerals and words. Pupils are introduced to the concept of 0 by counting backwards from numbers below 10. To complete the learning in the unit, pupils will compare numbers using the terms 'greater than', 'less than' and 'as many as'. Pupils will explore which numbers are greatest and smallest in a series, and order numbers to show value. Pupils will then show '1 more' and '1 less' using concrete materials.
Week 2	
Week 3	Calculations: Addition and Subtraction In this unit, pupils will come across different ways of adding to 10. They will encounter the part-whole diagram and begin to lay the foundations of the inverse of addition. They will also begin to make their own addition equations in order to support the deeper understanding of the processes of addition. Pupils will have the opportunity to observe the commutative nature of addition. In this unit, pupils will also learn that subtraction equations can be completed in three ways: by crossing out, by using number bonds and by counting back. They will continue to use manipulatives and pictorial representations to support their understanding and use vocabulary appropriately.
Week 4	
Week 5	
Week 6	
Week 7	
Week 8	Geometry: Positions In this unit, pupils will gain an understanding of positional language, as well as directional language for left and right.

Week 9	<p style="text-align: center;">Number and Place Value: Numbers to 20</p> <p>In this unit, pupils will look at numbers up to 20, focusing on numbers between 10 and 20. They will count and write to 20, compare and order numbers, and see patterns within 20. Multiple representations are used including number lines.</p>
Week 10	
Week 11	<p style="text-align: center;">Calculations: Addition and Subtraction within 20</p> <p>In this unit, pupils will learn different ways to add and subtract numbers within 20. They will use their understanding of addition and subtraction to create fact families.</p>
Week 12	



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Spring Term	
Week 1	<p>Geometry: Shapes and Patterns</p> <p>This unit looks at different types of 2D shapes and some basic 3D shapes. It covers the properties of basic 2D shapes and some solid shapes. Pupils will learn to group shapes according to different criteria. This will also lead to recognising, describing and continuing a pattern, as well as generalising patterns. Pupils will learn properties associated with basic shapes through the shapes themselves but also through the use of non-examples.</p>
Week 2	
Week 3	<p>Measurement: Length and Height</p> <p>This unit covers the basics of length. Pupils will compare lengths and describe whether something is taller, shorter or longer. They will learn how to measure two objects for comparison using items and body parts, before moving on to measuring using a ruler.</p>
Week 4	
Week 5	<p>Mid-Point Assessments</p> <p>Pupils will complete the mid-point assessments with the results shared at parents evening and used to support setting pupils their next targets.</p>
Week 6	<p>Number and Place Value: Numbers to 40</p> <p>In this unit, pupils will be exploring numbers to 40 in a variety of ways. The beginning of the unit focuses on counting to 40 in different ways and writing numbers to 40. As the learning progresses, pupils are comparing numbers and looking at number patterns. This unit will consolidate pupils' previous work with numbers to 20 and prepare them for Numbers to 100.</p>
Week 7	
Week 8	<p>Calculations: Addition and Subtraction word problems</p> <p>This unit provides a context for concepts previously taught in counting, addition and subtraction. It provides the foundations for the visual and proportional representation required for using bar modelling as the primary strategy for solving word problems. In this unit, pupils will be reinforcing and contextually using number bonds and simple bars to represent word problems. In addition, they will be putting into practice concepts previously taught in number comparison, specifically looking at how many more or how many fewer/less.</p>
Week 9	

Week 10	Calculations: Multiplication
Week 11	This is the first unit on multiplication. Pupils will learn the foundations of equal groupings, repeated addition, arrays and doubling. By the end of the unit, pupils will be able to apply that knowledge to solve word problems. Previous learning using ten frames and visual linear organisation will prove useful in this unit.
Week 12	Calculations: Division
	This is the first unit on division. It has two main foci. Pupils will learn about taking a limited number of items and placing a predetermined number into groups to determine how many groups there will be. After this, pupils will be given a number of items, but will need to figure out how many will go into each group by sharing equally.



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Summer Term	
Week 1	Fractions: Fractions
Week 2	In this unit on fractions, pupils will be learning about making halves and quarters before moving on to making the connection between fractions and division. They will use their knowledge of sharing equally to create equal pieces of paper during the guided tasks.
Week 3	Number and Place Value: Numbers to 100
Week 4	This is the final unit on counting in Year 1. It will reinforce some concepts previously taught in addition to increasing the complexity of number comparisons and number patterns. Pupils will begin by counting in tens and ones, followed by using number bonds to partition numbers. After this, pupils will be expected to compare numbers to 100 and find number patterns looking at 100-charts.
Week 5	Measurement: Time
Week 6	This unit explores introductory concepts of time. It covers five main concepts: telling time to the hour and half hour; using terms such as 'next,' 'before' and 'after'; estimating durations of time and comparing time. At the beginning of the unit, pupils will be exploring analogue clocks and telling time to the hour and half hour. Then they will look at a timeline for an average day and determine the order of events using specific terminology. Finally, pupils will estimate lengths of time and compare measures of time.
Week 7	Measurement: Money
	In this unit, pupils will be working towards recognising coins and notes. The unit begins with pupils looking at coins to help identify them through shape, markings, size and colour. After this, pupils explore notes in a similar fashion, by looking at the colours of the notes and their markings to help identify them.
Week 8	Measurement: Volume and Capacity
	This unit on volume and capacity introduces new concepts, in addition to combining knowledge from the chapter on fractions. The pupils first look at comparing volume and capacity, using terms such as 'more than' and 'less than'. Next, pupils look at finding volume and capacity using non-standard units. Lastly, the pupils explore describing volume using the terms 'half' and 'quarter'.

<p>Week 9</p>	<p style="text-align: center;">Measurement: Mass</p> <p>This is a short unit on mass. It begins by comparing mass using terms such as 'heavy/heavier' and 'light/lighter', followed by finding mass using non-standard units. This idea of non-standard units follows on from the previous unit on volume and capacity.</p>
<p>Week 10</p>	<p style="text-align: center;">Geometry: Space</p> <p>This is a short unit on space, which explores the important elements of position, movement and turns. The unit begins by looking in depth at ways in which we can describe the position of one object relative to another, using terms such as: 'top', 'middle' and 'bottom'; 'around', 'close', 'near' and 'far'; and 'on top of', 'in front of' and 'above'. When looking at movement, the concepts explored are 'up and down', 'forwards and backwards' and 'inside and outside.' Finally, the unit ends with turns: navigating whole turns, half turns, quarter turns and the notion of clockwise and anticlockwise.</p>
<p>Week 11</p>	<p style="text-align: center;">End of Year Assessments</p> <p>Pupils will complete the end of year assessments, which will help to form the teacher's assessment of progress.</p>
<p>Week 12</p>	<p style="text-align: center;">Review and Consolidation</p>