



Year 2 Maths Overview

Autumn Term	
Week 1	<p>Number and Place Value: Numbers to 100</p> <p>This unit concentrates on various aspects of numbers to 100. Pupils will be able to count to 100 through different steps, including counting up in tens. Pupils will also look at comparing numbers using their place-value knowledge and they will go through number bonds. Finally, the unit will allow pupils to explore numbers to see patterns within 100.</p>
Week 2	
Week 3	
Week 4	<p>Calculations: Additions and Subtraction</p> <p>This unit looks at addition and subtraction using number bond diagrams as well as the standard column method. Pupils will be taken through each stage with slight variations in the learning objectives so that they can reach a level of mastery when calculating.</p>
Week 5	
Week 6	
Week 7	<p>Calculations: Multiplication of 2, 5 and 10</p> <p>This unit investigates the multiplication of 2, 5 and 10. Pupils will also have the opportunity to understand what multiplication means and what it looks like. Patterns in multiplication and commutative law are also covered in this unit.</p>
Week 8	
Week 9	<p>Calculations: Division 2, 5 and 10</p> <p>This unit focuses on the division of 2, 5 and 10. Pupils will look at different ways of sharing, including sharing and grouping before covering division by 2, 5 and 10. Pupils will also investigate links between multiplication and division and odd and even numbers.</p>
Week 10	
Week 11	<p>Measurement: Length</p> <p>In this unit pupils will get a better understanding of how to measure length. They will begin by understanding what a metre is and what centimetres are and then progress to using them in real-life contexts.</p>
Week 12	

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Spring Term	
Week 1	Measurement: Mass
Week 2	In this unit, pupils will be learning about mass in the context of kilograms and grams. They will learn how to read a scale, to compare the weight of different objects and to solve word problems relating to mass.
Week 3	Measurement: Temperature
Week 4	In this unit, pupils will gain experience in measuring temperature. They will learn about Celsius, how to read thermometers to help them understand, and they will look at the different kinds of temperatures we can measure.
Week 5	Statistics: Picture Graphs
Week 6	In this unit, pupils will learn how to read, interpret, analyse and construct their own picture graphs with confidence.
Week 7	Mid-Point Assessments
Week 8	Pupils will complete the mid-point assessments with the results shared at parents evening and used to support setting pupils their next targets.
Week 9	Calculations: More Word Problems
Week 10	In this unit, pupils will be looking at using addition and subtraction to help them solve word problems. Initially, pupils will be looking at when addition and subtraction are most appropriate: teaching them decision making. The bar model method emphasis in this unit focuses on modelling two different amounts by recognising what is the same about the two amounts (two equal bars) plus the difference (the greater amount). This is important for later constructions involving more complex problems.
Week 11	Measurement: Money
Week 12	In this unit on money pupils will be reviewing concepts on writing and counting money in addition to extending their knowledge of how to represent money using £ and p. They will be reinforcing previous counting methods using fives and tens to count quickly and efficiently. They will be required to show equal amounts of money and how to exchange money. By the end of the unit, they will be using bar modelling to calculate the total amount of money spent and then working out how much change is required from amounts below £100.
Week 13	Geometry: 2D Shape



Week 10	This unit focuses on 2-D shapes and their different properties. It also explores how to draw shapes, make patterns with shapes and turn shapes using familiar language. The unit begins by carefully moving pupils from identifying sides to identifying vertices before learning about lines of symmetry. Then they make figures using blocks and sort basic shapes using different criteria before drawing shapes using square grids and dot grids. Finally, pupils make and describe patterns in addition to moving and turning shapes.
Week 11	
Week 12	Geometry: 3D Shape This unit follows on from the previous unit on 2-D shapes. In a similar manner, pupils will be recognising, describing and grouping 3-D shapes, forming structures with them and making patterns using 3-D shapes.

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Summer Term	
Week 1	<p style="text-align: center;">Fractions: Fractions</p> <p>This unit on fractions provides a review of previously-learnt concepts and extends pupils to find fractions of whole numbers/quantities by the end. The unit begins by having pupils make equal parts: focusing on making halves, quarters and thirds. Then pupils learn to name fractions of the same denominations. After this, pupils learn about equal fractions, primarily looking at halves and quarters. They then move on to comparing and ordering fractions and counting wholes and parts. Pupils learn to count in quarters and thirds, finishing the unit by finding parts of a set and part of a quantity.</p>
Week 2	
Week 3	
Week 4	
Week 5	<p style="text-align: center;">Measurement: Time</p> <p>This unit explores concepts of time. It begins with recognising time to 5 minutes and progresses in a way that pupils will be able to tell time, sequence it and manipulate an analogue clock. Pupils will then be learning how to find the duration of time, the end of a length of time, the beginning of a length of time and finally, compare lengths of time.</p>
Week 6	
Week 7	<p style="text-align: center;">Measurement: Volume</p> <p>This unit involves pupils comparing volume, measuring in litres and millilitres and solving word problems associated with volume.</p>
Week 8	
Week 9	<p style="text-align: center;">Review: Place Value</p>
Week 10	<p style="text-align: center;">Review: Calculations</p>
Week 11	<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>
Week 12	<p style="text-align: center;">Review Consolidation</p>