



Year 4 Maths Overview

Autumn Term	
Week 1	<p>Number and Place Value: Numbers to 10 000</p> <p>In this unit, pupils will learn to count in multiples of 25, 100 and 1000 in order to count larger numbers comprehensively. They will learn about the relative size of numbers and complete number sequences within 10 000. Pupils will learn about place value to 4 digits and they will link numbers in numerals and in words. They will compare numbers using language such as 'greater', 'smaller', 'less' and 'more', using the mathematical symbols $>$, $<$ and $=$. They will use their knowledge of number and place value to help complete number patterns. They will also learn about rounding numbers to the nearest 1000, 100 and 10; children will apply this knowledge to approximate, total and find the difference.</p>
Week 2	
Week 3	
Week 4	<p>Calculations: Addition and Subtraction within 10000</p> <p>In this unit pupils will be taught to add and subtract with numbers up to 10 000. They will use the column method for addition and subtraction and they will also learn mental methods for addition and subtraction. Pupils will be encouraged to think about when is the most appropriate time to use each method. They will use the methods taught to solve word problems: visualising the problems using the bar model.</p>
Week 5	
Week 6	
Week 7	<p>Calculations: Multiplication and Division</p> <p>In this unit, pupils will learn how to multiply and divide by 6, 7, 9, 11 and 12. They will begin to understand mathematical vocabulary such as 'quotient' in relation to division. They will learn how to calculate multiplication equations using the multiplication facts that they know. They will understand the difference between sharing and grouping and they will understand the commutative law in multiplication. They will also solve problems involving multiplication and division.</p>
Week 8	
Week 9	<p>Calculations: Further Multiplication and Division</p> <p>In this unit, pupils will further develop their understanding of multiplication and division. They will learn how to divide and multiply by 1 and 0 and understand the law of commutativity. They will learn how to multiply three numbers together using prior knowledge of</p>
Week 10	

Week 11	multiplication tables. Pupils will use their tables and knowledge of place value to multiply multiples of 10, leading to the multiplication of 2-digit numbers using short multiplication. They will use their knowledge of multiplying multiples of 10 when multiplying multiples of 100, leading to multiplying 3-digit numbers using short multiplication. Pupils will learn more about division and will divide 2-digit numbers using two methods, including numbers with remainders. They will learn to solve multiplication and division problems using the methods they have learned and will use bar models to visualise what the problem is asking them to do.
Week 12	



Year 4 Maths Overview

Spring Term	
Week 1	<p>Fractions, Decimals and Percentages: Fractions</p> <p>In this unit pupils will be introduced to hundredths. They will learn about mixed number fractions and improper fractions. They will learn how to convert between mixed numbers and improper fractions. They will learn how to add and subtract fractions and will solve addition and subtraction word problems.</p>
Week 2	
Week 3	
Week 4	<p>Statistics: Graphs</p> <p>In this unit, pupils will learn how to interpret picture graphs and bar graphs. They will be introduced to line graphs and how they are used to measure change over time. They will interpret line graphs and use information collated in a table to draw a line graph. Pupils will make predictions based on trends identified in data.</p>
Week 5	
Week 6	<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 7	<p>Measurement: Time</p> <p>In this unit, pupils will learn about the 24-hour clock. They will learn how to use both the 12-hour clock and the 24-hour clock. They will convert between units of time, such as minutes and seconds, and hours and minutes. Pupils will learn how to solve time problems involving conversions and will calculate durations of time in relation to word problems.</p>
Week 8	
Week 9	<p>Fractions, Decimals and Percentages: Decimals</p> <p>In this unit, pupils will learn about tenths and hundredths. They will learn how to count, order and record the decimals in different ways. They will begin to see equivalence between tenths and hundredths and will be able to compare and order the numbers. Pupils will learn to continue linear number sequences as well as round decimals to the nearest whole number. They will also link tenths and hundredths with dividing by 10 and 100.</p>
Week 10	
Week 11	

Week 12



Year 4 Maths Overview

Summer Term	
Week 1	<p>Measurement: Money</p> <p>In this unit, pupils will learn how to count and record in pounds and pence. They will make links between tenths and hundredths and decimal notation for money. They will learn how to compare amounts of money by looking at significant digits and by converting amounts from pounds to pence and vice versa. Pupils will be taught how to round money to the nearest pound and understand contexts in which this would be a useful skill to know. They will use this skill to estimate amounts and totals. They will apply these skills to problem-solving situations, finding totals and calculating change. They will also learn how to visualise a money problem using a bar model and begin to explore unequal sharing in the context of money.</p>
Week 2	
Week 3	<p>Measurement: Mass, Volume and Length</p> <p>In this unit, pupils will learn how to estimate and measure mass, volume and length. They will learn how to convert units of measure from larger to smaller and vice versa. Pupils will also be taught how to measure perimeter using centimetres and millimetres. They will use their knowledge of measures to solve problems involving all three aspects of measurement in this unit.</p>
Week 4	
Week 5	
Week 6	<p>Measurement: Area of figures</p> <p>In this unit, pupils will learn about the concepts of area and perimeter. They will measure area by measuring surface coverage, i.e. counting squares before measuring area by using multiplication. They will find areas of figures that have squares and rectangles by counting and visualising. They will learn how to apply their knowledge of finding area to figures in different orientations.</p>
Week 7	
Week 8	<p>Geometry: Properties of shape</p> <p>In this unit, pupils will learn about types of angles. They will name and compare angles and use this information to help when classifying triangles and quadrilaterals. Pupils will explore symmetry and symmetrical figures before applying this knowledge to the completion of symmetrical figures. They will draw lines of symmetry on shapes and figures and will combine this knowledge and understanding to sort a variety of 2-D shapes.</p>

<p>Week 9</p>	<p style="text-align: center;">Geometry: Position and direction</p> <p>In this unit, pupils will learn how to describe the positions of objects and figures. They will learn how to describe positions on grids using coordinates. They will be introduced to the x and y axes and build an understanding of how coordinates are written. They will learn how to translate shapes using the terms 'left', 'right', 'upwards' and 'downwards' and will use coordinates to describe a figure following a translation.</p>
<p>Week 10</p>	<p style="text-align: center;">Number and Place Value: Roman Numerals</p> <p>In this unit, pupils will learn to read and write Roman numerals. They will learn how Roman numerals were used and how they are still used today.</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 Consolidation</p>