

## Maths Planning Overview – Year 4

| Term 1  | Term 2   | Term 3   |
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| <p><b>Number and place value</b></p> <ul style="list-style-type: none"> <li>● <u>count in multiples of 1000</u></li> <li>● <u>find 1000 more or less than a given number</u></li> <li>● <u>recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)</u></li> <li>● <u>order and compare numbers beyond 1000</u></li> <li>● <u>identify, represent and estimate numbers using different representations</u></li> <li>● <u>round any number to the nearest 10, 100 or 1000</u></li> <li>● <u>solve number and practical problems that involve all of the above and with increasingly large positive numbers.</u></li> </ul> <p><b>Addition and subtraction</b></p> <ul style="list-style-type: none"> <li>● <u>add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate</u></li> <li>● <u>estimate and use inverse operations to check answers to a calculation</u></li> <li>● <u>solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why</u></li> </ul> <p><b>Measurement</b></p> <ul style="list-style-type: none"> <li>● <u>estimate, compare and calculate different measures, including money in pounds and pence</u></li> </ul> <p><b>Statistics</b></p> <ul style="list-style-type: none"> <li>● <u>interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs</u></li> <li>● <u>solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs</u></li> </ul> <p><b>Number and place value</b></p> <ul style="list-style-type: none"> <li>● <u>count in multiples of 6, 7, 9, 25 and 1000</u></li> </ul> <p><b>Multiplication and divisions</b></p> <ul style="list-style-type: none"> <li>● <u>recall multiplication and division facts for multiplication tables up to 12 × 12</u></li> <li>● <u>use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers</u></li> <li>● <u>recognise and use factor pairs and commutativity in mental calculations</u></li> </ul> | <p><b>Addition and subtraction</b></p> <ul style="list-style-type: none"> <li>● <u>add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate</u></li> <li>● <u>estimate and use inverse operations to check answers to a calculation</u></li> <li>● <u>solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why</u></li> </ul> <p><b>Measurement</b></p> <ul style="list-style-type: none"> <li>● <u>estimate, compare and calculate different measures, including money in pounds and pence</u></li> </ul> <p><b>Statistics</b></p> <ul style="list-style-type: none"> <li>● <u>interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs</u></li> </ul> <p><u>solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.</u></p> <p><b>Fractions (including decimals)</b></p> <ul style="list-style-type: none"> <li>● <u>count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten</u></li> <li>● <u>recognise and show, using diagrams, families of common equivalent fractions</u></li> <li>● <u>add and subtract fractions with the same denominator</u></li> <li>● <u>recognise and write decimal equivalents of any number of tenths or hundredths</u></li> <li>● <u>recognise and write decimal equivalents to <math>\frac{1}{4}</math>, <math>\frac{1}{2}</math>, <math>\frac{3}{4}</math></u></li> <li>● <u>find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths</u></li> <li>● <u>round decimals with one decimal place to the nearest whole number</u></li> <li>● <u>compare numbers with the same number of decimal places up to two decimal places</u></li> </ul> <p><b>Measurement</b></p> | <p><b>Addition and subtraction</b></p> <ul style="list-style-type: none"> <li>● <u>add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate</u></li> <li>● <u>estimate and use inverse operations to check answers to a calculation</u></li> <li>● <u>solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why</u></li> </ul> <p><b>Statistics</b></p> <ul style="list-style-type: none"> <li>● <u>interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs</u></li> <li>● <u>solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs</u></li> </ul> <p><b>Fractions (including decimals)</b></p> <ul style="list-style-type: none"> <li>● <u>solve simple measure and money problems involving fractions and decimals to two decimal places</u></li> </ul> <p><b>Measurement</b></p> <ul style="list-style-type: none"> <li>● <u>estimate, compare and calculate different measures, including money in pounds and pence</u></li> </ul> <p><b>Fractions (including decimals)</b></p> <ul style="list-style-type: none"> <li>● <u>count up and down in hundredths; 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| <ul style="list-style-type: none"> <li>● <u>solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling and harder correspondence problems such as <math>n</math> objects are connected to <math>m</math> objects.</u></li> </ul> <p><b>Geometry: properties of shape</b></p> <ul style="list-style-type: none"> <li>● <u>compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</u></li> <li>● <u>identify acute and obtuse angles and compare and order angles up to two right angles by size</u></li> <li>● <u>identify lines of symmetry in 2-D shapes presented in different orientations.</u></li> </ul> <p><b>Number and place value</b></p> <ul style="list-style-type: none"> <li>● <i>count in multiples of 1000</i></li> <li>● <i>find 1000 more or less than a given number</i></li> <li>● <u>count backwards through zero to include negative numbers</u></li> <li>● <i>recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)</i></li> <li>● <i>order and compare numbers beyond 1000</i></li> <li>● <i>identify, represent and estimate numbers using different representations</i></li> <li>● <i>round any number to the nearest 10, 100 or 1000</i></li> <li>● <i>solve number and practical problems that involve all of the above and with increasingly large positive numbers</i></li> <li>● <u>read Roman numerals to 100 (I to C) and know that, over time, the numeral system changed to include the concept of zero and place value.</u></li> </ul> | <p><u>convert between different units of measure [for example, kilometre to metre].</u></p> <p><b>Number and place value</b></p> <ul style="list-style-type: none"> <li>● <i>count in multiples of 6, 7, 9, 25 and 1000</i></li> </ul> <p><b>Multiplication and division</b></p> <ul style="list-style-type: none"> <li>● <i>recall multiplication and division facts for multiplication tables up to <math>12 \times 12</math></i></li> <li>● <i>use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; 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