

### Summer Medium term plan 2018

\*Please note that the coverage and pace of these learning objectives may differ during the term.

Week	Area	Objectives
1	Decimals (Yr 4)  Year 3 formal methods for add, subtract	<p><i>Year 4</i></p> <ul style="list-style-type: none"> <li>• recognise and write decimal equivalents of any number of tenths</li> <li>• count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten</li> <li>• compare numbers with the same number of decimal places up to two decimal places</li> <li>• recognise and write decimal equivalents of any number of tenths or hundredths</li> <li>• recognise and write decimal equivalents to <math>\frac{1}{4}</math>; <math>\frac{1}{2}</math>; <math>\frac{3}{4}</math></li> </ul> <p><i>Year 3</i></p> <ul style="list-style-type: none"> <li>• Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</li> <li>• Estimate the answer to a calculation and use inverse operations to check answers.</li> <li>• Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>
2	Money	<p><i>Year 3</i> Add and subtract amounts of money to give change using both £ and p in practical contexts.</p> <p><i>Year 4</i> Estimate, compare and calculate different measures, including money in pounds and pence.</p> <p>Solve simple measure and money problems involving fractions and decimals to two decimal places.</p>
3 4	Multiplication and Division	<p><i>Year 3</i> Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</p> <p>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objectives.</p> <p>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</p>

		<p>Year 4</p> <p>Multiply two digit and three digit numbers by a one digit number using formal written layout.</p> <p>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.</p> <p>Recall and use multiplication and division facts for multiplication tables up to <math>12 \times 12</math>.</p> <p>Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.</p>
5	Roman Numerals	<p>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.</p> <p>Maths tests</p>
1	Time	<p>Year 3</p> <p>Tell and write the time from an analogue clock, including using Roman numerals and 12-hour and 24-hour clocks.</p> <p>Estimate and read time with increasing accuracy to the nearest minute.</p> <p>Record and compare time in terms of seconds, minutes and hours.</p> <p>Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</p> <p>Know the number of seconds in a minute and the number of days in each month, year and leap year.</p> <p>Compare durations of events (for example to calculate the time taken by particular events or tasks).</p> <p>Year 4</p> <p>Read, write &amp; convert time between analogue and digital 12 and 14 hour clocks.</p> <p>Convert between different units of measure eg hour to minute.</p> <p>Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days</p>

2	Length	<p>Year 3 Measure, compare, add and subtract: lengths (m/cm/mm).</p> <p>Continue to measure using the appropriate tools and units, progressing to using a wider range of measures, including comparing and using mixed and simple equivalents of mixed units.</p> <p>Year 4 Measure the perimeter of simple 2D shapes. Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres</p> <p>Convert between different units of measure eg kilometre to metre.</p> <p>Find the area of rectilinear shapes by counting squares.</p>
3	<p>Volume/Mass (Yr 3)</p> <p>Coordinates (Yr4)</p>	<p>Year 3 Measure, compare, add and subtract: mass (kg/g); volume/capacity (l/ml).</p> <p>Year 4 Describe positions on a 2D grid as coordinates in the first quadrant.</p> <p>Describe movements between positions as translations of a given unit to the left/ right and up/ down.</p> <p>Plot specified points and draw sides to complete a given polygon.</p>
4	Statistics	<p>Year 3 Interpret and present data using bar charts, pictograms and tables.</p> <p>Solve one-step and two-step questions (for example, 'How many more?' and 'How many fewer?') using information presented in scaled bar charts and pictograms and tables.</p> <p>Year 4 Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.</p> <p>Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.</p>
5		Revision
6		Maths tests