



Maths Year 3	Autumn	Spring	Summer
<p>The principal focus of mathematics teaching in lower key stage 2 is to ensure that pupils become increasingly fluent with whole numbers and the four operations, including number facts and the concept of place value. This should ensure that pupils develop efficient written and mental methods and perform calculations accurately with increasingly large whole numbers. At this stage, pupils should develop their ability to solve a range of problems, including with simple fractions and decimal place value. Teaching should also ensure that pupils draw with increasing accuracy and develop mathematical reasoning so they can analyse shapes and their properties, and confidently describe the relationships between them. It should ensure that they can use</p>	<p>Place Value</p> <ul style="list-style-type: none"> Recognise the place value of each digit in a 3 digit number Compare and order numbers up to 1000 Solve number problems and practical problems using these ideas <p>Addition and Subtraction Estimate the answer to a calculation and use the inverse to check answers</p> <p>Add and subtract numbers mentally including; 3 digit numbers and ones/ tens/ hundreds</p> <p>Add and subtract numbers with up to 3 digits using formal methods of column addition and subtraction</p> <p>Multiplication and Division Recall and use multiplication and division facts for 3, 4 and 8 x tables</p> <p>Write and calculate mathematical statements for multiplication and division using tables they know, including 2 digit times one digit numbers. Use</p>	<p>Multiplication and Division Write and calculate mathematical statements for multiplication and division using tables they know, including 2 digit times one digit numbers. Use mental methods progressing to formal written methods.</p> <p>Solve problems including missing number problems, involving multiplication and division, including scaling problems and correspondence problems.</p> <p>Fractions Count up and down in tenths and recognise that tenths arise from dividing an object into 10 equal parts and in dividing one digit numbers or quantities by 10.</p> <p>Recognise, find and write fractions of a discrete set of objects, unit fractions and non-unit fractions with small denominators</p> <p>Recognise and use fractions as numbers Solve problems that involve all of the above fraction learning.</p>	<p>Fractions Recognise and show using diagrams equivalent fractions with small denominators</p> <p>Compare and order unit fractions and fractions with the same denominators</p> <p>Add and subtract fractions with the same denominator within one whole.</p> <p>Solve problems that involve all of the above fraction learning.</p> <p>Measurement: Mass and Capacity Measure, compare, add and subtract lengths (m,cm,mm), mass kg,g) volume/capacity (l,ml)</p> <p>Time Tell and write the time from an analogue clock including Roman numerals and 12/24 clock formats</p> <p>Estimate and read time with increasing accuracy to nearest minute, compare time using correct vocabulary (inc AM and PM)</p> <p>Know the number of seconds in a minute, days in each month / year</p>



<p>measuring instruments with accuracy and make connections between measure and number.</p> <p>Pupils should read and spell mathematical vocabulary correctly and confidently, using their growing word reading knowledge and their knowledge of spelling.</p>	<p>mental methods progressing to formal written methods.</p>	<p>Length and Perimeter Measure, compare, add and subtract lengths (m,cm,mm), mass kg,g) volume/capacity (l,ml)</p> <p>Measure perimeter of simple 2d shapes</p> <p>Money Add and subtract amounts of money to give change using £ and p in practical contexts</p> <p>Statistics Interpret and present data using bar charts, pictograms and tables</p> <p>Solve one step and two step questions using information in bar charts, pictograms and tables</p>	<p>Compare duration of events</p> <p>Properties of Shape Draw 2D shapes Make 3D shapes using modelling Recognise 3D shapes in different orientations and describe them</p> <p>Recognise angles as a property of shape or description of a turn</p> <p>Identify right angles</p> <p>Identify horizontal and vertical lines, and pairs of parallel and perpendicular lines</p>
--	--	--	---