

Year 4 Maths						
Term	Autumn 1			Autumn 2		
	Topic					
	Place Value (3 weeks)	<ul style="list-style-type: none"> <li>- Count in multiples of 6, 7, 9, 25 and 100</li> <li>- Find 1000 more or less than a given number</li> <li>- Count backwards through zero to include negative numbers</li> <li>- Recognise the place value of each digit in a four–digit number (thousands, hundreds, tens and ones)</li> <li>- Order and compare numbers beyond 1000</li> <li>- Round any number to the nearest 10, 1000 or 1000</li> </ul>				
	Addition and Subtraction (3 weeks)	<ul style="list-style-type: none"> <li>- Add and subtract numbers with up to 4 digits using formal written methods of columnar addition and subtraction where appropriate</li> <li>- Estimate and use inverse operations to check answers to a calculation</li> <li>- Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why</li> </ul>				
	Money (1 week)	<ul style="list-style-type: none"> <li>- Estimate, compare and calculate different measures, including money in £ and p</li> <li>- Convert between £ and p</li> <li>- Write money as decimals</li> <li>- Solve problems involving money</li> </ul>				
	Shape (2 weeks)	<ul style="list-style-type: none"> <li>- Compare and classify geometric shapes including quadrilaterals and triangles, based on their properties and sizes</li> <li>- Identify acute and obtuse angles and compare and order angles up to two right angles by size</li> <li>- Identify lines of symmetry in 2-D shapes presented in different orientations</li> <li>- Complete a simple symmetric figure with respect to a specific line of symmetry</li> </ul>				
	Multiplication & Division (2 weeks)	<ul style="list-style-type: none"> <li>- Recall multiplication and division facts for multiplication tables up to 12 x 12</li> <li>- 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</li> <li>- Recognise and use factor pairs and commutativity in mental calculations</li> </ul>				
	Measurement of time (3week)	<ul style="list-style-type: none"> <li>- Read, write and convert time between analogue and digital 12 and 24 hour clocks</li> <li>- Solve problems involving converting from hrs to min, min to secs, years to months, weeks to days</li> </ul>				
	Place Value (2 weeks)	<ul style="list-style-type: none"> <li>- Count backwards through zero to include negative numbers</li> <li>- Identify, represent and estimate numbers using different representatives</li> <li>- Solve number and practical problems that involve all of the above and with increasingly large positive numbers</li> <li>- Read roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero place value</li> </ul>				
	Statistics (1 week)	<ul style="list-style-type: none"> <li>- Interpret and present discrete and continuous data using appropriate graphical methods including bar charts and time graphs</li> <li>- Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs</li> </ul>				
	Position & direction (2 week)	<ul style="list-style-type: none"> <li>- Describe positions on a 2-D grid as coordinates in the first quadrant</li> <li>- Describe movements between positions as translations of a given unit to the left/right and up/down</li> <li>- Plot specified points and draw sides to complete a given polygon</li> </ul>				
	Multiplication & Division (3 weeks)	<ul style="list-style-type: none"> <li>- Multiply two-digit and three-digit numbers by a one-digit number using formal written layout</li> <li>- 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</li> </ul>				
	Fractions (3 weeks)	<ul style="list-style-type: none"> <li>- Recognise and show, using diagrams, families of common equivalent fractions</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>- Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number</li> <li>- Add and subtract fractions with the same denominator</li> <li>- Recognise and write decimals equivalents to <math>\frac{1}{4}</math>, <math>\frac{1}{2}</math>, <math>\frac{3}{4}</math></li> <li>- 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</li> </ul>				
	Decimals	<ul style="list-style-type: none"> <li>- Round decimals with one decimal place to the nearest whole number</li> <li>- Tenths as fractions and decimals, on a place value chart and on a number line.</li> <li>- Divide a 1 digit n umber by 10, divide a 2 digit number by 10</li> <li>- <math>\frac{1}{100}</math> as fractions, decimals and on a place value chart</li> <li>- Divide a 1 or 2 digit number by 100</li> </ul>				
	Length and perimeter (2 week)	<ul style="list-style-type: none"> <li>- Convert between different units of measure (e.g. km to m, hr to min)</li> <li>- Measure and calculate the perimeter of a rectilinear figure (including squares) in cm and m</li> <li>- Find the area of rectilinear shapes by counting squares</li> </ul>				
	Fractions	<ul style="list-style-type: none"> <li>- Round decimals with one decimal place to the nearest whole number</li> <li>- Compare numbers with the same number of decimal places up to two decimal place</li> <li>- Solve simple measure and money problems involving fractions and decimals to two decimal places</li> </ul>				
	Decimals	<ul style="list-style-type: none"> <li>- Make a whole with tenths, hundreds</li> <li>- Partition decimals, flexibly partition decimals</li> <li>- Compare and order decimals</li> <li>- Round to the nearest whole number, halves and quarters as decimals</li> </ul>				
	Consolidation + and – 2 weeks	<ul style="list-style-type: none"> <li>- Add and subtract numbers with up to 4 digits using formal written methods of columnar addition and subtraction where appropriate</li> <li>- Estimate and use inverse operations to check answers to a calculation</li> </ul>				