

# MATHS

	TERM		
YEAR	AUTUMN	SPRING	SUMMER
4	<p><b>Number and place value</b></p> <ul style="list-style-type: none"> <li>• Read Roman numerals to 100 and understand how, over time, the numeral system changed to include the concept of zero and place value.</li> <li>• Count backwards through zero to include negative numbers and understand that -2 is greater than -3</li> <li>• Read, write, compare and order numbers up to 10,000 using =,&gt;,&lt;.</li> <li>• Count in multiples of 9 and 25.</li> <li>• Round any numbers up to 10,000 to the nearest 1000.</li> </ul> <p><b>Addition and subtraction</b></p> <ul style="list-style-type: none"> <li>• Solve 2-step problems in contexts, deciding which operation to use and why.</li> <li>• Estimate and use inverse operations to check answers to a calculation.</li> </ul> <p><b>Multiplication and division</b></p> <ul style="list-style-type: none"> <li>• Recall multiplication and division facts for multiplication tables up to 12x12 and know all the square numbers.</li> <li>• Recognise and use factor pairs and commutatively in mental calculations.</li> <li>• Multiply 2-digit and 3-digit numbers by a 1-digit number using formal written method.</li> <li>• Solve problems involving multiplying and adding, including using the distributive law, integer scaling and harder multiplication problems such as n objects are connected to m objects.</li> <li>• Understand the term prime factors and work out the factors within any number up to 144.</li> </ul> <p><b>Fractions (including decimals)</b></p> <ul style="list-style-type: none"> <li>• Recognise and write decimal equivalents to <math>\frac{1}{4}</math>, <math>\frac{1}{2}</math>, <math>\frac{3}{4}</math>.</li> <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 places.</li> <li>• Identify and name equivalent fractions of a given fraction including tenths and hundredths.</li> <li>• Revise add and subtract fractions with the same denominator.</li> </ul> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>• Know the formula for measuring the area of a square or rectangle.</li> <li>• Know the formula for measuring the perimeter of a square or rectangle.</li> </ul> <p><b>Geometry: properties of shape</b></p> <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 compare and order angles up to two right angles by size.</li> <li>• Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres and the area by counting.</li> <li>• Solve simple measure and money problems involving fractions and decimals to two decimal places.</li> </ul> <p><b>Statistics</b></p> <ul style="list-style-type: none"> <li>• Interpret and present discrete data using bar charts and continuous data using line graphs.</li> <li>• Solve comparison, sum and different problems using information presented in bar charts and simple line graphs.</li> </ul>		