

MATHS CURRICULUM YEAR 5

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
AUTUMN	<p><b>RECAP: CONSOLIDATION</b></p>	<p><b>NUMBER: PLACE VALUE</b></p> <ul style="list-style-type: none"> <li>*Roman numerals to 1,000</li> <li>*Numbers to 10,000, 100,000 and 1,000,000</li> <li>*Read and write numbers to 1,000,000</li> <li>*Powers of 10</li> <li>*Partition numbers to 1,000,000</li> <li>*Compare and order to 1,000,000</li> <li>*Round to the nearest 10, 100 or 1,000</li> <li>*Round within 100,000</li> <li>*Round within 1,000,000</li> </ul>	<p><b>NUMBER: ADDITION &amp; SUBTRACTION</b></p> <ul style="list-style-type: none"> <li>*Mental Strategies</li> <li>*Add whole numbers with more than four digits.</li> <li>*Subtract whole numbers with more than four digits.</li> <li>*Round to check answers</li> <li>*Inverse operations</li> <li>*Multi-step problems</li> <li>*Compare Calculations</li> <li>*Find missing numbers.</li> </ul>	<p><b>NUMBER: MULTIPLICATION &amp; DIVISION A</b></p> <ul style="list-style-type: none"> <li>*Multiples</li> <li>*Common Multiples</li> <li>*Factors</li> <li>*Common Factors</li> <li>*Prime Numbers</li> <li>*Square Numbers</li> <li>*Cube Numbers</li> <li>*Multiply by 10, 100 and 1000</li> <li>*Divide by 10,100 and 1000.</li> <li>*Multiples of 10,100 and 1000.</li> </ul>	<p><b>NUMBER: FRACTIONS A</b></p> <ul style="list-style-type: none"> <li>*Find fraction equivalents to a unit fraction</li> <li>*Find fractions equivalent to non-unit fractions</li> <li>*Recognise equivalent fractions</li> <li>*Covert improper fractions to mixed numbers.</li> <li>*Convert mixed numbers to improper fractions</li> <li>*Compare fractions less than 1</li> <li>*Order fractions less than 1</li> <li>*Compare and order fractions greater than 1</li> <li>*Add and Subtract fractions with the same denominator.</li> <li>*Add fractions (within 1 and greater than 1)</li> <li>*Add two mixed numbers</li> <li>*Subtract fractions</li> <li>*Subtract from a mixed number.</li> </ul>	<p><b>CONSOLIDATION</b></p>								
SPRING	<p><b>CONSOLIDATION</b></p>	<p><b>NUMBER: MULTIPLICATION &amp; DIVISION</b></p> <ul style="list-style-type: none"> <li>*Multiply up to a 4-digit number by a 1-digit number</li> <li>*Multiply a 2-digit number by a 2-digit number (area model)</li> <li>*Multiply a 4-digit by 2-digit number.</li> <li>*Short Division</li> <li>*Divide a 4-digit number by a 1-digit number.</li> <li>*Divide with remainders</li> <li>*Efficient division</li> <li>*Solve problems with multiplication and division.</li> </ul>	<p><b>NUMBER: FRACTIONS B</b></p> <ul style="list-style-type: none"> <li>*Multiply a unit fraction by an integer</li> <li>*Multiply a non-unit fraction by an integer.</li> <li>*Multiply a mixed number by an integer.</li> <li>*Calculate a fraction of a quantity</li> <li>*Fraction of an amount</li> <li>*Find the whole</li> <li>*Use fractions as operators.</li> </ul>	<p><b>NUMBER: PERCENTAGES &amp; DECIMALS</b></p> <ul style="list-style-type: none"> <li>*Decimals up to 2 decimal places</li> <li>*Equivalent fractions and decimals (tenths)</li> <li>*Equivalent fractions and decimals (hundredths)</li> <li>*Equivalent fractions and decimals</li> <li>*Thousandths as fractions</li> <li>*Thousandths as decimals.</li> <li>*Thousandths on a place value chart</li> </ul>	<p><b>MEASUREMENT: PERIMETER &amp; AREA</b></p> <ul style="list-style-type: none"> <li>*Perimeter of rectangles.</li> <li>*Perimeter of rectilinear shapes</li> <li>*Perimeter of polygons</li> <li>*Area of rectangles</li> <li>*Area of compound shapes</li> <li>*Estimate areas</li> </ul>	<p><b>STATISTICS</b></p> <ul style="list-style-type: none"> <li>*Draw line graphs</li> <li>*Read and interpret line graphs</li> <li>*Read and interpret tables</li> <li>*Two-way tables</li> <li>*Read and interpret timetables.</li> </ul>	<p><b>CONSOLIDATION</b></p>							

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				<ul style="list-style-type: none"> <li>*Order and compare decimals</li> <li>*Round to the nearest whole number.</li> <li>*Round to 1 decimal place.</li> <li>*Understand percentages</li> <li>*Percentages as fractions and decimals.</li> </ul>				
SUMMER	CONSOLIDATION	<p><b>GEOMETRY: SHAPE</b></p> <ul style="list-style-type: none"> <li>*Understand and use degrees</li> <li>*Classify angles</li> <li>*Estimate angles</li> <li>*Measure angles up to 180</li> <li>*Draw lines and angles accurately</li> <li>*Calculate angles around a point</li> <li>*Calculate angles on a straight line</li> <li>*Lengths and angles in shapes</li> <li>*Regular and irregular polygons</li> <li>* 3-D shapes</li> </ul>	<p><b>GEOMETRY: POSITION AND DIRECTION</b></p> <ul style="list-style-type: none"> <li>*Read and plot coordinates</li> <li>*Problem Solving with coordinates</li> <li>*Translation</li> <li>*Translation with coordinates</li> <li>*Lines of symmetry</li> <li>*Reflection in horizontal and vertical lines</li> </ul>	<p><b>NUMBER: DECIMALS</b></p> <ul style="list-style-type: none"> <li>*Use known facts to add and subtract decimals within 1</li> <li>*Add and subtract decimals across 1</li> <li>*Add/Subtract decimals with the same number of decimal places</li> <li>*Add/Subtract decimals with different numbers of decimal places</li> <li>*Decimal sequences</li> <li>*Multiply/Divide by 10,100 and 1000</li> <li>*Multiply and divide decimals-missing values</li> </ul>	<p><b>Number: Negative Numbers</b></p> <ul style="list-style-type: none"> <li>*Understand negative numbers</li> <li>*Count through zero in 1s</li> <li>*Counting through zeros in multiples</li> <li>*Compare and order negative numbers</li> <li>*Find the difference.</li> </ul>	<p><b>MEASUREMENT: CONVERTING UNITS</b></p> <ul style="list-style-type: none"> <li>*Kilograms and Kilometres</li> <li>*Millimetres and Millilitres</li> <li>*Covernt units of length</li> <li>*Convert between metric and imperial units</li> <li>*Convert units of time</li> <li>*Calculate with timetables.</li> </ul>	<p><b>MEASUREMENT: VOLUME</b></p> <ul style="list-style-type: none"> <li>*Cubic centimetres</li> <li>*Compare volume</li> <li>*Estimate volume</li> <li>*Estimate capacity.</li> </ul>	CONSOLIDATION