



		<b>Maths</b>				
	Year 7	Year 8	Year 9	Year 10	Year 11	
Autumn 1	<b>Algebra -</b> <ul style="list-style-type: none"> <li>Sequences</li> <li>Algebraic notation and substitution</li> <li>Expressions and equations</li> </ul>	<b>Proportional reasoning-</b> <ul style="list-style-type: none"> <li>Ratio and scale</li> <li>Multiplicative change</li> <li>Multiplying and dividing fractions</li> </ul>	<b>Reasoning with algebra-</b> <ul style="list-style-type: none"> <li>Straight line graphs</li> <li>Forming and solving equations</li> <li>Testing conjectures</li> </ul>	<b>Similarity-</b> <ul style="list-style-type: none"> <li>Congruence, similarity and enlargement</li> <li>Trigonometry</li> </ul>	<b>Graphs-</b> <ul style="list-style-type: none"> <li>Gradients and lines</li> <li>Non-linear graphs</li> <li>Using graphs</li> </ul>	
Autumn 2	<b>Number -</b> <ul style="list-style-type: none"> <li>Place value, ordering and rounding</li> <li>Four operations</li> </ul> <b>Statistics -</b> <ul style="list-style-type: none"> <li>Averages and range</li> </ul> <b>Number -</b> <ul style="list-style-type: none"> <li>Rounding and estimation</li> </ul>	<b>Representations -</b> <ul style="list-style-type: none"> <li>Working in a Cartesian plane</li> <li>Collecting and representing data</li> <li>Tables</li> </ul>	<b>Constructing in 2 and 3 dimensions -</b> <ul style="list-style-type: none"> <li>3D shapes</li> <li>Constructions and congruency</li> </ul>	<b>Developing algebra-</b> <ul style="list-style-type: none"> <li>Representing solutions of equations and inequalities</li> <li>Simultaneous equations</li> </ul>	<b>Algebra-</b> <ul style="list-style-type: none"> <li>Expanding and factorising</li> <li>Changing the subject</li> <li>Functions</li> </ul>	



<b>Spring 1</b>	<b>Statistics-</b> <ul style="list-style-type: none"> <li>Graphing data</li> </ul> <b>Number-</b> <ul style="list-style-type: none"> <li>Fractions, decimals and percentages</li> </ul>	<b>Algebraic techniques-</b> <ul style="list-style-type: none"> <li>Brackets, equations and inequalities</li> <li>Sequences</li> <li>Indices</li> </ul>	<b>Reasoning with number-</b> <ul style="list-style-type: none"> <li>Numbers</li> <li>Using percentages</li> <li>Maths and money</li> </ul>	<b>Geometry-</b> <ul style="list-style-type: none"> <li>Angles and bearings</li> <li>Working with circles</li> <li>Vectors</li> </ul>	<b>Reasoning-</b> <ul style="list-style-type: none"> <li>Multiplicative</li> <li>Geometric</li> <li>Algebraic</li> </ul>
<b>Spring 2</b>	<b>Number -</b> <ul style="list-style-type: none"> <li>Directed number</li> <li>Fractions and percentages of amounts</li> </ul> <b>Geometry and measures -</b> <ul style="list-style-type: none"> <li>Perimeter and area</li> </ul>	<b>Developing number -</b> <ul style="list-style-type: none"> <li>Fractions and percentages</li> <li>Standard index form</li> <li>Number sense</li> </ul>	<b>Reasoning with geometry -</b> <ul style="list-style-type: none"> <li>Deduction</li> <li>Rotation and translation</li> <li>Pythagoras' Theorem</li> </ul>	<b>Proportions and proportional change-</b> <ul style="list-style-type: none"> <li>Ratios and fractions</li> <li>Percentages and interest</li> <li>Probability</li> </ul>	<b>Revision and communication-</b> <ul style="list-style-type: none"> <li>Transforming and constructing</li> <li>Listing and describing</li> <li>Show that...</li> </ul>
<b>Summer 1</b>	<b>Number -</b> <ul style="list-style-type: none"> <li>Speed, distance and time</li> <li>Properties of number</li> </ul>	<b>Developing geometry -</b> <ul style="list-style-type: none"> <li>Angles in parallel lines and polygons</li> <li>Area of a trapezia and circles</li> <li>Line symmetry and reflection</li> </ul>	<b>Reasoning with proportion -</b> <ul style="list-style-type: none"> <li>Enlargement and similarity</li> <li>Solving ratio and proportion problems</li> <li>Rates</li> </ul>	<b>Delving into data-</b> <ul style="list-style-type: none"> <li>Collecting, representing and interpreting data</li> </ul>	<b>Revision</b>



<b>Summer 2</b>	<b>Number -</b> <ul style="list-style-type: none"><li>• <i>Add and subtract fractions</i></li></ul> <b>Geometry and measures -</b> <ul style="list-style-type: none"><li>• <i>Angles and polygons</i></li></ul>	<b>Reasoning with data -</b> <ul style="list-style-type: none"><li>• <i>The data handling cycle</i></li><li>• <i>Measures of location</i></li></ul>	<b>Representations and revision -</b> <ul style="list-style-type: none"><li>• <i>Probability</i></li><li>• <i>Algebraic representation</i></li><li>• <i>Revision</i></li></ul>	<b>Using number-</b> <ul style="list-style-type: none"><li>• <i>Non-calculator methods</i></li><li>• <i>Types of number and sequences</i></li><li>• <i>Indices and roots</i></li></ul>	<b>N/A</b> <ul style="list-style-type: none"><li>• <i>Study Leave</i></li></ul>
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