

## Maths Curriculum Maps 2020-2021

### Key Stage 4

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>10</b> <b>Edexcel</b> <b>1MA1</b> <b>Foundation</b>	<ul style="list-style-type: none"> <li>▪ Repeated percentage increase</li> <li>▪ Percentage multipliers</li> <li>▪ Best buys</li> <li>▪ Algebraic expressions</li> <li>▪ Expanding brackets</li> </ul>	<ul style="list-style-type: none"> <li>▪ Factorising</li> <li>▪ Solving linear equations</li> <li>▪ Circles</li> <li>▪ Volume</li> </ul>	<ul style="list-style-type: none"> <li>▪ Multi step angle problems</li> <li>▪ Pythagoras' Theorem</li> </ul>	<ul style="list-style-type: none"> <li>▪ Estimating</li> <li>▪ HCF/LCM</li> <li>▪ Drawing linear graphs</li> <li>▪ Sample space diagrams</li> <li>▪ Independent events</li> </ul>	<ul style="list-style-type: none"> <li>▪ Relative frequency</li> <li>▪ Reflections</li> <li>▪ Rotations</li> <li>▪ Translations</li> <li>▪ Two way tables</li> </ul>	<ul style="list-style-type: none"> <li>▪ Frequency polygons</li> <li>▪ Averages</li> <li>▪ Pie Charts</li> <li>▪ Scatter graphs</li> <li>▪ Scale drawings</li> </ul>
<b>10</b> <b>Higher</b>	<ul style="list-style-type: none"> <li>▪ Related calculations</li> <li>▪ Compound Interest</li> <li>▪ Reverse percentages</li> <li>▪ Percentage change</li> <li>▪ Exchange rates</li> <li>▪ Ratio problems</li> </ul>	<ul style="list-style-type: none"> <li>▪ Forming &amp; solving linear equations</li> <li>▪ Factorising quadratics</li> <li>▪ Surface area</li> <li>▪ Arc lengths &amp; sectors</li> </ul>	<ul style="list-style-type: none"> <li>▪ Angles in polygons</li> <li>▪ Trigonometry</li> <li>▪ Index Laws</li> <li>▪ Standard form</li> <li>▪ Inequalities</li> </ul>	<ul style="list-style-type: none"> <li>▪ Simultaneous equations</li> <li>▪ <math>Y=mx+c</math></li> <li>▪ Probability trees</li> <li>▪ Frequency trees</li> <li>▪ Sets &amp; Venn diagrams</li> <li>▪ Enlargements</li> </ul>	<ul style="list-style-type: none"> <li>▪ Similar Triangles</li> <li>▪ Congruent triangles</li> <li>▪ Sampling</li> <li>▪ Quartiles</li> <li>▪ Average &amp; range problems</li> </ul>	<ul style="list-style-type: none"> <li>▪ Speed</li> <li>▪ Density</li> <li>▪ Pressure</li> <li>▪ Bounds</li> </ul>
<b>11</b> <b>Edexcel</b> <b>1MA1</b> <b>Foundation</b>	<ul style="list-style-type: none"> <li>▪ Related calculations</li> <li>▪ Compound Interest</li> <li>▪ Reverse percentages</li> <li>▪ Percentage change</li> <li>▪ Exchange rates</li> <li>▪ Ratio problems</li> <li>▪ Forming &amp; solving linear equations</li> <li>▪ Factorising quadratics</li> </ul>	<ul style="list-style-type: none"> <li>▪ Surface area</li> <li>▪ Angles in polygons</li> <li>▪ Trigonometry</li> <li>▪ Index Laws</li> </ul>	<ul style="list-style-type: none"> <li>▪ Standard form</li> <li>▪ Sampling</li> <li>▪ Quartiles</li> <li>▪ Average &amp; range problems</li> <li>▪ Probability trees</li> <li>▪ Frequency trees</li> <li>▪ Sets &amp; Venn diagrams</li> </ul>	<ul style="list-style-type: none"> <li>▪ Inequalities</li> <li>▪ Simultaneous equations</li> <li>▪ <math>Y=mx+c</math></li> <li>▪ Speed</li> <li>▪ Density</li> <li>▪ Pressure</li> <li>▪ Bounds</li> </ul>	<ul style="list-style-type: none"> <li>▪ Enlargements</li> <li>▪ Similar Triangles</li> <li>▪ Congruent triangles</li> <li>▪ Construction</li> </ul>	<ul style="list-style-type: none"> <li>▪</li> </ul>
<b>11</b> <b>Higher</b>	<ul style="list-style-type: none"> <li>▪ Changing the subject</li> <li>▪ Solving quadratics</li> <li>▪ Algebraic fractions</li> <li>▪ Recurring decimals</li> <li>▪ Advanced ratio</li> <li>▪ Algebraic inverse &amp; direct proportion</li> </ul>	<ul style="list-style-type: none"> <li>▪ Volume &amp; surface area of complex 3D shapes</li> <li>▪ Advanced trigonometry</li> <li>▪ Surds</li> <li>▪ Box plots</li> <li>▪ Histograms</li> </ul>	<ul style="list-style-type: none"> <li>▪ Quadratic sequences</li> <li>▪ Functions</li> <li>▪ Iteration</li> <li>▪ Quadratic graphs</li> </ul>	<ul style="list-style-type: none"> <li>▪ Graph transformations</li> <li>▪ Similarity</li> <li>▪ Vectors</li> </ul>	<ul style="list-style-type: none"> <li>▪ Revision</li> </ul>	<ul style="list-style-type: none"> <li>▪</li> </ul>