

Maths Curriculum Maps 2021-2022

Key Stage 4

Year	Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6
10 Edexcel 1MA1 Foundation	<ul style="list-style-type: none"> ▪ Repeated percentage increase ▪ Percentage multipliers ▪ Best buys ▪ Algebraic expressions ▪ Expanding brackets 	<ul style="list-style-type: none"> ▪ Factorising ▪ Solving linear equations ▪ Circles ▪ Volume 	<ul style="list-style-type: none"> ▪ Multi step angle problems ▪ Pythagoras' Theorem 	<ul style="list-style-type: none"> ▪ Estimating ▪ HCF/LCM ▪ Drawing linear graphs ▪ Sample space diagrams ▪ Independent events 	<ul style="list-style-type: none"> ▪ Relative frequency ▪ Reflections ▪ Rotations ▪ Translations ▪ Two way tables 	<ul style="list-style-type: none"> • Frequency polygons • Averages • Pie Charts • Scatter graphs • Scale drawings
10 Higher	<ul style="list-style-type: none"> ▪ Related calculations ▪ Compound Interest ▪ Reverse percentages ▪ Percentage change ▪ Exchange rates ▪ Ratio problems 	<ul style="list-style-type: none"> ▪ Forming & solving linear equations ▪ Factorising quadratics ▪ Surface area ▪ Arc lengths & sectors 	<ul style="list-style-type: none"> ▪ Angles in polygons ▪ Trigonometry ▪ Index Laws ▪ Standard form ▪ Inequalities 	<ul style="list-style-type: none"> ▪ Simultaneous equations ▪ $Y=mx+c$ ▪ Probability trees ▪ Frequency trees ▪ Sets & Venn diagrams ▪ Enlargements 	<ul style="list-style-type: none"> ▪ Similar Triangles ▪ Congruent triangles ▪ Sampling ▪ Quartiles ▪ Average & range problems 	<ul style="list-style-type: none"> • Speed • Density • Pressure • Bounds

<p>11 Edexcel 1MA1 Foundation</p>	<ul style="list-style-type: none"> ▪ Related calculations ▪ Compound Interest ▪ Reverse percentages ▪ Percentage change ▪ Exchange rates ▪ Ratio problems ▪ Forming & solving linear equations ▪ Factorising quadratics 	<ul style="list-style-type: none"> ▪ Surface area ▪ Angles in polygons ▪ Trigonometry ▪ Index Laws 	<ul style="list-style-type: none"> ▪ Standard form ▪ Sampling ▪ Quartiles ▪ Average & range problems ▪ Probability trees ▪ Frequency trees ▪ Sets & Venn diagrams 	<ul style="list-style-type: none"> ▪ Inequalities ▪ Simultaneous equations ▪ $Y=mx+c$ ▪ Speed ▪ Density ▪ Pressure ▪ Bounds 	<ul style="list-style-type: none"> ▪ Enlargements ▪ Similar Triangles ▪ Congruent triangles ▪ Construction 	
<p>11 Higher</p>	<ul style="list-style-type: none"> ▪ Changing the subject ▪ Solving quadratics ▪ Algebraic fractions ▪ Recurring decimals ▪ Advanced ratio ▪ Algebraic inverse & direct proportion 	<ul style="list-style-type: none"> ▪ Volume & surface area of complex 3D shapes ▪ Advanced trigonometry ▪ Surds ▪ Box plots ▪ Histograms 	<ul style="list-style-type: none"> ▪ Quadratic sequences ▪ Functions ▪ Iteration ▪ Quadratic graphs 	<ul style="list-style-type: none"> ▪ Graph transformations ▪ Similarity ▪ Vectors 	<ul style="list-style-type: none"> ▪ Revision 	