YEAR 10 MATHEMATICS CURRICULUM MAP 2022-23

AUTUMN TERM		SPRING TERM		SUMMER TERM	
TERM 1	TERM 2	TERM 1	TERM 2	TERM 1	TERM 2
Unit 1 – Number • Rounding and Estimating • Prime Factorisation • HCF/LCM Problems **Unit 2 – Expressions** • Expanding and Factorising Quadratic Expressions • Solving Quadratics by Factorising • Factorising harder quadratics	**Unit 3 – Fractions** • Add, subtract, multiply and divide mixed numbers • Algebraic Fractions • Converting Recurring decimals to fractions **Unit 4 – Ratio and Proportion** • Unitary Method • Informal Direct and Inverse Proportion Problems • Best-Buy Problems • Conversion Graphs **Unit 5 - Statistics 1** • Scatter Diagrams	**Unit 6 – Linear Equations and Inequalities** • Represent Inequalities on a number line • Graphing Inequalities • Solve Inequalities • Simultaneous Equations **Unit 7 – Indices and Surds** • Index Laws • Standard Form • Standard Form Calculations (calc) • Standard Form Calculations (non calc) • Fraction and Negative Indices • Simplifying Surds • Expanding brackets with surds • Rationalising the denominator **Unit 8 – Straight Line Graphs** • Plot Straight Line Graphs • $y = mx + c$ • Functions notation • Inverse Functions • Composite Functions	**Unit 9 – Percentages** • Percentage of an amount • Percentage Increase • Percentage Decrease • Simple Interest • Compound Interest • Growth and Decay **Unit 10 – Quadratic Functions** • Plotting Quadratic Graphs • Completing the square • Quadratic Formula • Quadratic Inequalities **Unit 11 – Angles** • Angles on a straight line and at a point • Angles in Parallel Lines • Angles in a triangle • Angles in Polygons	**Unit 12 – Probability** • Probability Tables • Frequency Trees • Tree Diagrams • Venn Diagrams • Combinations **Unit 13 – Circles** • Area of a circle • Circumference of a circle • Area of a sector • Arc Length	**Unit 14 – Sequences** • Advanced Substitution • Linear Sequences • Special Sequences • Quadratic Sequences • Iteration **Unit 15 – Transformations** • Rotation • Reflection • Translation • Enlargement
ASSESSMENT		ASSESSMENT		ASSESSMENT	
Y10 - Assessment 1 Unit 1 – Number Unit 2 – Expressions including quadratic expressions Unit 3 – Fractions		Year 10 – Assessment 2 Unit 4 – Ratio and Proportion Unit 6a – Linear Equations and Inequalities Unit 6b – Simultaneous Equations Unit 7 – Indices and Surds		Year 10 – Mock Exams 1 x non-calculator 1 x calculator	

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ASSESSMENT		ASSESSMENT		ASSESSMENT	
Y10 - Assessment 1 Unit 1 – Number Unit 2 – Expressions including quadratic expressions Unit 3 – Fractions		Year 10 – Assessment 2 Unit 4 – Ratio and Proportion Unit 6a – Linear Equations and Inequalities Unit 6b – Simultaneous Equations Unit 7 – Indices and Surds		Year 10 – Mock Exams 1 x non-calculator 1 x calculator	