

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 <ul style="list-style-type: none"> Rounding to nearest whole number/decimal places Estimation Factors, Multiples Squares, Cubes and Roots Unit 2 – Expressions <ul style="list-style-type: none"> Substitution Expanding and Factorising Factorising Quadratic Expressions Solving Quadratics by Factorising 	Unit 3 – Fractions <ul style="list-style-type: none"> Equivalent Fractions Add, subtract, multiply and divide fractions Add, subtract, multiply and divide mixed numbers Unit 4 – Ratio and Proportion <ul style="list-style-type: none"> Unitary Method Informal Direct and Inverse Proportion Problems Best-Buy Problems Conversion Graphs Unit 5 - Statistics 1 <ul style="list-style-type: none"> Scatter Diagrams Pictograms Bar Charts 	Unit 6 – Linear Equations <ul style="list-style-type: none"> Solve one step equations Solve two step equations Solve equations with unknowns on both sides Solve equations involving fractions Represent Inequalities on a number line Solve Inequalities Simultaneous Equations Unit 7 – Indices and Surds <ul style="list-style-type: none"> Index Laws Standard Form Standard Form Calculations (calc) Standard Form Calculations (non calc) Unit 8 – Straight Line Graphs <ul style="list-style-type: none"> Plot Straight Line Graphs $y = mx + c$ 	Unit 9 – Percentages <ul style="list-style-type: none"> Percentage of an amount Percentage Increase Percentage Decrease Simple Interest Compound Interest Unit 10 – Quadratic Functions <ul style="list-style-type: none"> Plotting Quadratic Graphs Unit 11 – Angles <ul style="list-style-type: none"> Angles on a straight line and at a point Angles in Parallel Lines Angles in a triangle Angles in Polygons 	Unit 12 – Probability <ul style="list-style-type: none"> Probability Tables Frequency Trees Tree Diagrams Venn Diagrams Combinations Unit 13 – Circles <ul style="list-style-type: none"> Area of a circle Circumference of a circle Area of a sector Arc Length 	Unit 14 – Sequences <ul style="list-style-type: none"> Advanced Substitution Linear Sequences Special Sequences Unit 15 – Transformations <ul style="list-style-type: none"> 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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