

Whole School Curriculum Intent Statement: We build better people through: Developing the skills, knowledge and values to enable all students to be successful in their next steps.

Subject Curriculum Intent Statement: To provide students with the skills they need to make sense of the world through understanding of Mathematical ideas.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
7	Number and the Number System Presenting and Measuring data Calculating	Algebraic Proficiency Visualising, Constructing and Investigating Properties of 2D shapes and 3D solids Approximating and Estimating	Exploring Fractions, Decimals and Percentages Proportional Reasoning	Measuring Space Calculating Fractions, decimals and Percentages	Pattern Sniffing Investigating Angles Solving Equations and Inequalities	Calculating Space Transformations
8	Number and the Number System Transformations, Visualising and Constructing Calculating	Presenting and Measuring Data Exploring Fractions, Decimals and Percentages	Investigating Angles Calculating Space	Algebraic Proficiency Solving Equations and Inequalities	Proportional Reasoning Calculating Fractions, Decimals and Percentages Pattern Sniffing	Drawing Graphs and Coordinate Geometry Understanding Risk
9 Set 1	Number Recap Perimeter and Area (including circles) Angle Facts (including angles in parallel lines) Solving Equations Recap Drawing Graphs	Two Way Tables/ Frequency trees/ VennDiagrams PrimeFactors/HCF/LCM Averages frequency Diagrams/Scatter Graphs/ Times Series/Sampling/Pie Charts	Fractions recap Percentages including compound interest and reverse percentages Rounding and Error Intervals Ratio and Proportion	Value for money/Exchange Rates Standard Form Index Laws Expanding/Simplifying and Factorising Expressions Solving Equations Rearranging Formulae	Stright Line Graphs Quadratic and Cubic Graphs Coordinate Geometry Compound Measures Real Life Graphs	Pythagoras Theorem Trigonometry Angles and Bearings
9 Set 2	Number Recap Perimeter and Area (including circles) Angle Facts (including angles in parallel lines)	Algebra Recap - Solving equations and drawing graphs	Two Way Tables/ Frequency trees/ VennDiagrams PrimeFactors/HCF/LCM Averages Frequency Diagrams/Scatter Graphs/ Times Series	Fractions recap Percentages including compound interest and reverse percentages Rounding and Error Intervals	Ratio and Proportion Value for money/Exchange Rates Standard Form Index Laws	Expanding/simplifying and Factorising Expressions Solving Equations Rearranging Formulae Solving Inequalities
9 Set 3	Number Recap Fractions and Percentages Charts and Graphs	Mensuration and 2D Shapes Perimeter and Area Angle Facts	Algebra Basics Probability	Two Way Tables Frequency Trees Venn Diagrams Product of Primes Multiples in Context Averages	Frequency Diagrams/Scatter Graphs/ Times Series Fractions Rounding and Estimating	Percentages Ratio and Proportion
10 set 1	Targetted Catch UP Pythagoras and Trigonometry Bearings and Angles Plans, Elevations and Constructions	Probability Trees Circles Sectors and Arcs Surface Area and Volume Similarity and Congruence Transformations	Vectors Sequences Forming and Solving Equations Simultaneous Equations Direct/Indirect Proportion	Recurring Fractions Indices Product Rule Upper and Lower Bounds Surds	Rearranging more complex Equations Coordinate Geometry Surface Area and Volume	Transformations Working with Quadratics Simultaneous Equations
10 set 2	Targetted Catch Up Graphs and Coordinate Geometry	Compound Measures Real Life Graphs Pythagoras and Trigonometry Bearings	Angles Probability including Probability Trees	Transformations Vectors Sequences Simultaneous Equations	Plans, Elevations and Constructions Circles, Arcs and Sectors Surface Area and Volume	Similarity and Congruence Transformations Vectors
10 set 3	Targetted Catch UP Two Wat Tables/Frequency Trees and Venn Diagrams Product of Primes	Value for Money Exchange Rates Error Intervals and Estimation Percentages	Using a Calculator Fractions Ratio	Proportion/Recipes Standard Form Index Laws	Simplifying Expressions Factorising Expressions Solving Equations Rearranging Formulae Inequalities	Averages from Tables Frequency Diagrams Scatter Graphs Times Series
11 set 1	Congruency and Similarity Vectors Direct/Indirect Proportion Simultaneous Equations Surds The Product Rule	Surds Upper and Lower Bounds Quadratic Sequences Co-ordinate Geometry	Conditional Probability Circle Theorems Functions Advanced Trigonometry inc Trig graphs	Quadratics (Including Iteration) Linear, quadratic and cubic graphs Area under graphs Circle Geometry	Proof Revision	revision/Exams
11 set 2	Pythagoras and Trigonometry Angles and bearings Probability and Probability Trees Sequences	Compound Measures Real Life Graphs Coordinate Geometry Circles and Sectors	Plans Elevations and Constructions Surface Area and Volume Congruency and Similarity Transformations	Vectors Simultaneous Equations Direct/Indirect Proportion	Revision	Revision/Exams
11 set 3	Directed Numbers and the four rules Rounding and estimating Fractions Algebraic manipulation and solving equations	Angle Facts/ Parallel lines /Polygons Graphs straight line and quadratic Travel Graphs Ratio	Area and perimeter Surface area and volume Charts and tables Scatter graphs, Frequency trees and averages Rearranging Formulae	Indices Pythagoras Venn Diagrams Prime factor decomposition Standard form Probability	Transformations Revision Vectors	Revision/Exams
12	Proof; Indices & Surds; Quadratics & Cubics; Inequalities; Coordinate Geometry	Binomial Expansion; Trigonometry; Sampling, Data Presentation and Interpretation	Exponentials and Logarithms; Probability; Statistical Hypothesis Testing	Differentiation; Kinematics, Resultant Forces	Integration; Vectors; Newton's Laws (Connected Particles)	Revision; Progression Exam; Functions (year 13)
13	Functions, Trigonometry, Sequences & Series, Binomial Expansions	Parametric Equations, Differentiation, Integration	Numerical Methods, Vectors, Correlatation & Regression, Conditional Probability	The Normal Distribution, Projectiles, Friction, Newton's Laws of Motion	Moments, Revision & Exam Prep	Exams