

Maths Curriculum Overview:

2022/2023

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
KS3	Number <ul style="list-style-type: none"> Place value Rounding and Estimation BIDMAS Prime numbers, factors and multiples Long and short multiplication and division Positive and negative numbers Standard Form 	Geometry & Measures <ul style="list-style-type: none"> Angles Shapes Perimeter, Area & Volume Working with time Metric measurements Imperial to metric conversion 	Algebra <ul style="list-style-type: none"> Algebraic notation Formulae and substitution Simplifying and factorising expressions Rearranging formulae to make one term the subject 	Ratio, Proportion & Rates of Change <ul style="list-style-type: none"> Ratio notation Solve problems involving ratios Fractions, decimals and percentages Percentage changes Direct and inverse proportion 	Statistics <ul style="list-style-type: none"> Collecting and representing data Averages Graphs and Charts 	Probability <ul style="list-style-type: none"> Recording probability frequency Probability tables and grids Stem and leaf diagrams Venn diagrams
KS4	Edexcel Functional Skills Level 1 & 2		Edexcel GCSE Mathematics			
	Number <ul style="list-style-type: none"> Order of operations (BIDMAS) Addition, subtraction, multiplication and division methods without calculators Place value, decimal places, rounding and negative numbers Reverse calculations Working with fractions, decimals and percentages Simple algebra and substitution in formulae Shape, Space & Measure <ul style="list-style-type: none"> Working with different units of measurement: time, temperature, money, length, weight and capacity Imperial to metric conversion Perimeter, area and volume Accurate estimation of units Working with 2D and 3D shapes Data Handling <ul style="list-style-type: none"> Extracting accurate information from tables, charts and graphs Representing information in tables, charts and graphs Calculating different averages and when to use them Probability 	Algebra <ul style="list-style-type: none"> Algebraic notation Formulae and substitution Simplifying and factorising expressions Quadratic equations Algebraic arguments and proofs Rearranging formulae to make one term the subject Co-ordinates and line equations Simultaneous equations Solving equations Algebraic expressions for linear sequences 	Ratio, Proportion & Rates of Change <ul style="list-style-type: none"> Metric units of Measurement Imperial/Metric equivalents and conversion Scale factors Compound units Ratio notation Solve problems involving ratios Fractions, decimals and percentages Percentage changes Simple and compound interest Direct and inverse proportion Line graph gradients as rate of change 	Statistics <ul style="list-style-type: none"> Sampling and sample sizes Interpret, analyse and compare data Calculating quartiles and interquartile range Construct and interpret tables, two-way tables and frequency tables Construct and interpret all types of graphs and charts: line graphs, scatter graphs, bar charts, pie charts, histograms, pictograms Recognise and interpret correlation 	Year 10 Probability <ul style="list-style-type: none"> Recording probability frequency Understand randomness, fairness and equally likely events Probability tables and grids Stem and leaf diagrams Venn diagrams Mutually exclusive outcomes Calculate and interpret probabilities for single and combined events Year 11 REVISION	