Maths Overview 2024.2025		

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Maths y7	*Counting, sorting Sequences; algebraic notation; equality & equivalence	*Money Using it independently to buy items, staying within a budget etc Place value, ordering integers & decimals; fractions, decimal, percentage equivalence	*Use of games to practice now skills at for 4 operations at correct level Solving problems with addition, subtraction, multiplication & division; fractions & percentages of amounts	*Estimating: knowing how much more or less; weight, quantities, sizes Operations & equations with directed numbers; addition & subtraction of fractions	*Navigating in the world around you. Constructing, measuring & using geometric notation; geometric reasoning	*Measuring and organising Quantities for cooking Developing number sense; sets & probability; prime numbers & proof
Maths y8	*Measuring and estimating for decorating Ratio & scale; multiplicative change; multiply & divide fractions	*Understanding how information is presented in shops and on adverts, ie deals Cartesian plane; represent data; tables & probability	*Counting - Extending into 4 operations for larger numbers. Applying to shopping situations Brackets, equations & inequalities; sequences; indices	*Simple fractions and percentages in context and when needed for functionality Fractions & percentages; standard index form; number sense	*Navigating in the world around you. Patterns and symmetry in design Angles in parallel lines & polygons; Area of trapezia & circles; Line symmetry	*Collecting information to inform decision making, Creating a plan Data handling cycle; Measures of location
Maths y9	*Code Breaking, collecting and sorting for like terms Straight line graphs; form & solve equations; test conjectures	*Knowing 2d and 3 d shapes, labelling, understanding some properties 3D shapes; constructions & congruency	*Applying to shopping situations build on previous learning Numbers; use percentages; maths & money	*Patterns and symmetry in design, rotation and translation. Compare and choose one to implement Deduction; rotation & translation; Pythagoras' theorem	*Measuring and estimating for designing and drawing. Rates for independence Enlargement & similarity; ratio & proportion problems; rates; probability	*End of year cooking project to plan to implement. FS Exam EL2/3 Algebraic representation; circle geometry; polygon geometry. FS Exams EL3/L1

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Maths y10	*Measuring and estimating for designing and drawing.* Congruence similarity & enlargement; trigonometry	*Counting - Extending into 4 operations for larger numbers. Applying to shopping situations* Representing solutions of equations & inequalities; simultaneous equations	*Functionally Navigating in the world around you. Timetables, maps and charts,* Angles & bearings; working with circles; vectors	*Simple fractions and percentages in context and when needed for functionality Ratios & fractions; percentages & interest; probability	*Collecting information to inform decision making, Creating a plan* Collecting, representing & interpreting data; non-calculator methods	*End of year cooking project to plan to implement. Functional Skills Exams. Types of number and sequences; indices & roots; manipulating expressions
Maths y11	*Counting - Extending into 4 operations for larger numbers. Applying to functional problems EL2- L1* Gradients and lines; non-linear graphs; using graphs.	*Applying to functional problems EL2- L1* Expanding & factorising; changing the subject; functions	*Applying to functional problems EL2- L1* Multiplicative reasoning; geometric reasoning; algebraic reasoning	*Applying to functional problems EL2- L1* Transforming & constructing; listing & describing; solving problems	Revision and exams	Revision and exams

- ***Blue test represents adjustments possible to content/approach when needed**