

Maths Curriculum Overview

KS3a Curriculum

Autumn 1 – Number (including place value, four operations with integers and decimals, BIDMAS)

Autumn 2 – Geometry (including 2D and 3D shape, perimeter, area, volume, angles)

Spring 1 – Statistics and Data (including Averages, distributions and representations)

Spring 2 – Number (including working with fractions, decimals and percentages)

Summer 1 – Probability (including set notation, single event probabilities, Venn diagrams)

Summer 2 – Algebra (including sequences, nth term, graphs)



KS3b Curriculum

Autumn 1 – Algebra (including notation, function machines, forming and solving equations)

Autumn 2 – Multiplicative Relationships (including ratio, proportion, scales, rates)

Spring 1 – Geometry (including angle rules, nets, surface area, constructions)

Spring 2 – Geometry (including Pythagoras' theorem, working with circles)

Summer 1 – Number (including percentages of amounts, increase/decrease, change)

Summer 2 – Number (including money, interest, standard form, indices)



KS4 GCSE Year One / Functional Skills Level 2 Curriculum

Autumn 1 – Number (operations consolidation) Multiplicative Relationships (ratio, proportion, rates)

Autumn 2 – Number (including percentage increase/decrease, reverse, change, interest)

Spring 1 – Geometry (including plans, elevations, nets, surface area, volume, scale drawings)

Spring 2 – Number (including working with fractions, decimals and percentages)

Summer 1 – Statistics and Data (interpreting representations), Probability (including conditional)

Summer 2 – Consolidation and Functional Skills Level 2 Exams



KS4 GCSE Year Two - Foundation Tier

Autumn 1 – Algebra (Graphs) Statistics (Distributions and representations)

Autumn 2 – Algebra (Brackets, factorising, equations, simultaneous equations)

Spring 1 – Geometry (Angle rules, Pythagoras, trigonometry, transformations, constructions)

Spring 2 – Geometry (circles, volume, surface area, plans, elevations)

Summer 1 – Number (Consolidation), Revision and Past Papers

Summer 2 – Consolidation and GCSE Exams



KS4 GCSE Year Two – Higher Tier

Autumn 1 – Algebra (equations, simultaneous equations, quadratics, algebraic fractions)

Autumn 2 – Geometry (Trigonometry, Pythagoras' Theorem) Number (Surds)

Spring 1 – Geometry (angle rules, transformations, circle theorems) Algebra (Sequences, graphs)

Spring 2 – Statistics and Data (Histograms, Error Intervals, Cumulative Frequency)

Summer 1 – Number (Consolidation), Revision and Past Papers

Summer 2 – Consolidation and GCSE Exams