

KS4 Curriculum Map 2021 - 2022 Subject: IGCSE Maths Foundation Level

Term	Year 10	Year 11
1.1	<p>Unit 1: AO1: Fractions and Order of Operations; Algebraic Expressions; Straight line conversion graphs AO2: Polygons; Similarity AO3: Set Notation; Venn Diagrams</p>	<p>Unit 6: AO1: Proportionality; Negative Indices; Sequences AO2: Circle Theorems AO3: Shading Sets; Three-Set Problems</p>
1.2	<p>Unit 2: AO1: Standard Form; Percentages; Indices; Sketching Straight Line Graphs AO2: Pythagoras Theorem; Circle Theorems AO3: Presenting data; Misleading data presentation; Averages of discrete data</p>	<p>Unit 7: AO1: Solving Quadratics by Factorising, Quadratic Formula AO2: Circles; Solids; Similar Shapes AO3: Probability using Venn Diagrams</p>
2.1	<p>Unit 3: AO1: Prime Factors and Uses; Factorising and Simplifying; Simultaneous Equations; Distance Time Graphs; Speed Time Graphs AO2: SOHCAHTOA: Sine and Cosine Ratios; Finding Sides and Angles AO3: Frequency Tables; Discrete and Continuous Data</p>	<p>Unit 8: AO1: Converting Between Metric Units; Using Graphs to Solve Equations AO3: Tree Diagrams; Laws of Probability</p>

KS4 Curriculum Map 2021 - 2022 Subject: IGCSE Maths Foundation Level (continued)

Term	Year 10	Year 11
2.2	<p>Unit 4:</p> <p>AO1: Inverse percentages; Formulae; Quadratic Graphs and Solutions</p> <p>AO2: SOHCAHTOA: Tangent ratios; Finding Sides and Angles</p> <p>AO3: Measures of Dispersion; Cumulative Frequency and Quartiles</p>	<p>Unit 9:</p> <p>AO1: Currency; Taxation; Solving One Linear and one Non-Linear Equation; Proof; Transformations of Graphs</p> <p>AO3: Histograms</p>
3.1	<p>Unit 5:</p> <p>AO1: Upper and Lower Bounds; Estimation; Multiplying Brackets; Factorising Quadratics (limited to $x^2 + bx + c$); Representing Inequalities Graphically; Perpendicular Lines</p> <p>AO2: Transformations of Shapes</p>	Consolidation & Examination practice
3.2	<p>AO3: Probability, Experimental and Theoretical</p> <p>Consolidation & Examination practice</p>	Consolidation & Examination practice

KS4 Curriculum Map 2021 - 2022 Subject: IGCSE Maths Higher Level

Term	Year 10	Year 11
1.1	<p>Unit 1: AO1: Fractions and Order of Operations; Algebraic Expressions; Straight line conversion graphs</p> <p>AO2: Polygons; Similarity</p> <p>AO3: Set Notation; Venn Diagrams</p>	<p>Unit 6: AO1: Proportionality; Fractional and Negative Indices; Sequences; Arithmetic Sequences and their Sums</p> <p>AO2: Circle Theorems; Intersecting Chords Theorems</p> <p>AO3: Shading Sets; Three-Set Problems</p>
1.2	<p>Unit 2: AO1: Standard Form; Percentages; Indices; Algebraic Fractions; Sketching Straight Line Graphs</p> <p>AO2: Pythagoras Theorem; Circle Theorems</p> <p>AO3: Presenting data; Misleading data presentation; Averages of discrete data</p>	<p>Unit 7: AO1: Recurring Decimals; Solving Quadratics by Factorising, Completing the Square, Quadratic Formula; Cubic Graphs; Reciprocal Graphs</p> <p>AO2: Circles; Solids; Similar Shapes</p> <p>AO3: Conditional Probability using Venn Diagrams</p>
2.1	<p>Unit 3: AO1: Prime Factors and Uses; Factorising and Simplifying; Simultaneous Equations; Distance Time Graphs; Speed Time Graphs</p> <p>AO2: SOHCAHTOA: Sine and Cosine Ratios; Finding Sides and Angles</p> <p>AO3: Frequency Tables; Discrete and Continuous Data</p>	<p>Unit 8: AO1: Converting Between Units; Functions; Using Graphs to Solve Equations</p> <p>AO2: Vectors; Vector Geometry</p> <p>AO3: Tree Diagrams; Laws of Probability; Conditional Probability</p>

KS4 Curriculum Map 2021 - 2022 Subject: IGCSE Maths Higher Level (continued)

Term	Year 10	Year 11
2.2	<p>Unit 4: AO1: Inverse percentages; Formulae; Quadratic Graphs and Solutions</p> <p>AO2: SOHCAHTOA: Tangent ratios; Finding Sides and Angles</p> <p>AO3: Measures of Dispersion; Cumulative Frequency and Quartiles</p>	<p>Unit 9: AO1: Currency; Taxation; Solving One Linear and one Non-Linear Equation; Proof; Transformations of Graphs</p> <p>AO2: 3D Trigonometry</p> <p>AO3: Histograms</p>
3.1	<p>Unit 5: AO1: Upper and Lower Bounds; Estimation; Multiplying Brackets; Factorising Quadratics; Representing Inequalities Graphically; Perpendicular Lines</p> <p>AO2: Transformations of Shapes</p>	<p>Unit 10: AO1: Surds; Algebraic Fractions; Differentiation</p> <p>AO2: Graphs of Sin, Cos and Tan; Sine Rule; Cosine Rule</p> <p>Consolidation & Examination practice</p>
3.2	<p>AO3: Probability, Experimental and Theoretical</p> <p>Consolidation & Examination practice</p>	<p>Consolidation & Examination practice</p>