Cardinal Newman Catholic High School Curriculum Overview 2026-2027
Mathematics
GCSE Qualification: Edexcel

	Year 7	Year 8	Year 9	Year 10				Year 11			
				Support	**Support/Core**	**Core**	**Higher**	**Support**	**Support/Core**	**Core**	**Higher**
Autumn	Induction Course Number Course Decimals, Place Value & Rounding Directed Numbers Integers & BIDMAS Fractions	Equations Measures Graphs & Coordinates Volume Probability Transformations	Pre-Core Number work Fractions Expanding & Simplifying Percentages Factorising Ratio	Place value Time Negative numbers Powers & roots BIDMAS Multiplex & primes Writing & simplifying fractions	Two-Way Tables & Frequency Trees Rounding & Error Intervals Multiples, Factors & Primes Solving Equations Best Value	Trigonometry Venn Diagrams Area & Perimeter (inc. circles) Arcs & Sectors Frequency Diagrams Angles Scatter graphs Standard Form Volume & Surface Area	Expanding & Factorising Rearranging Equations Recurring Fractions Trigonometry Venn Diagrams Area & Perimeter (inc. circles) Arcs & Sectors Frequency Diagrams Angles	Scale Drawings Metric Conversions Percentage Change Exchange Rates Ratio Solving Equations Area & Circumference Frequency Trees Tw-Way Tables Pie Charts Best Buys Error Intervals Estimation Proportion Compound Shapes Transformations Prime Factors, LCM, HCF	Inequalities Pie Charts Growth & Decay Reverse Percentages Sequences Straight Line Graphs Compound Measures Quadratic & Cubic Graphs Coordinate Geometry Index Laws Recipes/Proportion Interior/Exterior Angles Transformations	Index Laws Recipes/Proportion Interior/Exterior Angles Transformations Probability Probability Trees Simultaneous Equations Time Series Real-life Graphs	Fractional & Negative indices Interior & Exterior Angles Transformations Bounds Conditional Probability Simultaneous Equations Quadratic Formula, Iteration & Completing the Square Similarity & Congruence
Spring	Percentages Ratio & Proportion Simplifying Expressions Fractions, Decimals & Percentages	Rounding & estimating Surface area Finance Sequences Direct proportion Pie charts	Two-Way Tables & Frequency Trees Rounding & Error Intervals Multiples, Factors & Primes Solving Equations Best Value	Coordinates Pictograms Adding & subtracting Multiplying & dividing Rounding Systematic listing Simplifying algebra	Exchange Rates Substitution & Formulae Statistics & Sampling Averages Averages from a table Estimation Trigonometry	Inequalities Growth & Decay Reverse Percentages Sequences Straight Line Graphs Compound Measures Quadratic & Cubic Graphs Coordinate Geometry Index Laws Recipes/Proportion	Circle Theorems Scatter graphs Standard Form Data Volume & Surface Area Inequalities Growth & Decay Reverse Percentages Sequences	Indices Expand & Factorise Plans & Elevations Scatter graphs Compound interest and depreciation Nth term Inequalities Forming and solving equations Pythagoras Surface Area Volume of a prism Cylinders Averages from frequency tables Probability	Probability Probability Trees Simultaneous Equations Time Series Real Life Graphs Similarity & Congruence Plans & Elevations Bearings Vectors Constructions & Loci Bespoke revision & Past Papers	Similarity & Congruence Plans & Elevations Bearings Vectors Loci & Construction Bespoke revision focusing on Grade 4/5 Topics Past Papers	Direct & Inverse Proportion Bearings Coordinate Geometry Circle Geometry Vectors Further Graphs Functions Algebraic Proof Congruence & Geometric Proof Constructions & Loci Bespoke revision & Past Papers
Summer	Area & Perimeter Expanding & Simplifying Processing, Representing & Interpreting Angles	Loci & constructions Scatter graphs & cumulative frequency Scales & bearings Pythagoras & trigonometry	Exchange Rates Substitution & Formulae Statistics & Sampling Averages Averages from a table Estimation Trigonometry	Writing an expression Probability Calculation problems Fractions, decimals percentages Using a calculator	Venn Diagrams Area & Perimeter (inc. circles) Arcs & Sectors Frequency Diagrams Angles Scatter graphs Standard Form	Interior/Exterior Angles Transformations Probability Probability Trees Simultaneous Equations Time Series Real Life Graphs Constructions & Loci	Sequences (inc. quadratic) Straight Line Graphs Surds Compound Measures Product Rule Algebraic Fractions Quad & Cubic Graphs Further Trig Coordinate Geometry	Bespoke revision & Past Papers	Bespoke revision & Past Papers	Bespoke revision focusing on Grade 4/5 Topics Past Papers	Bespoke revision & Past Papers