

Maths Key Stage 4 Curriculum Overview

The curriculum differs according to student groupings

Year 10	Autumn	Spring	Summer
Target Grade 2,3, and 4	Stem & Leaf Diagrams Fraction/Decimal/Percentage/Ratio Conversions Properties of Number Probability Constructions Fractions Averages & Range Angle Rules Negative Numbers Area	Area Scatter Graphs Sequences Ratio & Proportion Symmetry Pie Charts Equations Factor Trees	Enlargement & Translation Percentages with Calculators Plans & Elevations Circles Frequency Polygons Formulas and Equations of Motion Distance Time Graphs 3-D Shapes
Target Grade 3,4 and 5	Stem & Leaf Diagrams Percentages with Calculators Bearings Probability Construction Fractions Angle Rules Averages from Grouped Data Pythagoras Simplifying Expressions	Area Sequences Scatter Graphs Speed & Compound Measures Nets & Surface Area Ratios Pie Charts Rounding & Estimating Factor Trees Equations	Enlargement, Translation and Reflection Written Calculations Plans & Elevations Circles Frequency Polygons Formulas and Equations of Motion Distance Time Graphs 3-D Shapes
Target Grade 4, 5 and 6	Inequalities Percentages Iteration (Trial & Improvement) Probability Angles in Regular Polygons Fractions Loci Averages from Grouped Data Pythagoras Simplifying Expressions	Similar Shapes Speed & Compound Measures Quadratic Sequences Ratios Simultaneous Equations Stratified sampling Cumulative frequency Factor Trees Enlargement, Translation & Reflection	Enlargement, Translation & Reflection Circles Written Calculations Straight Line Graphs Formulas and Equations of Motion Distance Time Graphs 3-D Shapes
Target Grade 5,6 and 7	Inequalities Percentages Tree Diagrams Iteration (Trial & Improvement) Trigonometry Angles in Regular Polygons Fractions Simplifying Expressions Histograms Averages from Grouped Data Pythagoras Indices & Standard Form	Similar Shapes Speed & Compound Measures Quadratic Expressions Ratio/Fractions/Percentages & Decimals Stratified sampling Cumulative frequency Simultaneous Equations 3-D Shapes (cylinders & prisms)	Enlargement, Translation & Reflection Decimals Circles Graphs Formulas and Equations of Motion Distance Time Graphs 3-D Shapes (cones & spheres)
Target Grade 6,7,8 and 9	Inequalities Percentages Combined Probability Angles in Regular Polygons Trigonometry Indices and Standard Form Averages from Grouped Data Rearranging Formulae Histograms Pythagoras Quadratic Expressions	Quadratic Expressions Similar Shapes Circle Theorems Simultaneous Equations with Quadratics Vectors 1 Cumulative frequency 3-D Shapes	Transformations Circles Distance Time Graphs Formulas and Equations of Motion Recurring Decimals