



Maths Curriculum Map – Year 8

Maths/Numeracy	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic 1	Statistics, graphs and charts Pie charts Using tables Stem and leaf diagrams Comparing data Scatter graphs and misleading graphs	Expressions and equations Algebraic powers Expressions in brackets Factorising expressions 1 and 2 step equations The balancing method	Number Calculations, Divisibility and division Calculating with negative numbers. Powers, roots, brackets.	Lines and angles Quadrilaterals Alternate angles and proof Angles in parallel lines Interior and exterior angles Solving geometric problems	Fractions, decimals and percentages Fractions and decimals Equivalent proportions Calculating and writing percentages Fractions, decimals and percentages of an amount	Decimals and ratio Ordering ratios and rounding Place value calculations Calculations with decimals Ratio and proportion with decimals
Topic 2	Calculating with fractions Ordering fractions 4 operations with fractions Calculating with mixed numbers	Area and Volume Area of a triangle, parallelogram, trapezium. Volume of cubes and cuboids 2D representation of 3D solids Surface area of cubes and cuboids Measures	More powers Multiples and factors Mastering the 4 operations	Straight line graphs Direct proportion on graphs Gradients Equations of straight lines	Real life graphs Conversion graphs Distance/time graphs Line graphs Real life graphs Curved graphs	GCSE Exam examples Non-calculator and calculator