

Key Stage 3 Maths Curriculum Overview

	Year 7	Year 8
Autumn 1	Number – prime numbers, squares, negatives, indices Investigating shapes- properties of 2D and 3D shapes Algebra – simplify expressions, multiply out brackets	Number- indices, prime factorisation Investigating shapes – 2D, 3D shapes, interior and exterior angles Algebra – simplifying expressions, multiplying out brackets including double brackets
Autumn 2	Fractions, decimals and percentages – simplify fractions, equivalence, percentage of amounts Perimeter, area and volume	Fractions, decimals and percentages- percentages of amounts, Perimeter, area and volume, Pythagoras’ theorem.
Spring 1	Number –place value, rounding, inequalities Proportional reasoning Solving equations	Number – rounding, inequalities, standard form Proportional reasoning, compound measures Solving equations, basic straight line graphs
Spring 2	Measurement – converting between units Angles – measuring, angles on a point, angles in triangles Fractions, decimals and percentages – add, subtract, multiply and divide fractions, percentages of amounts	Measurement – converting between units Angles- parallel lines, using reasoning Fractions, decimals and percentages- percentage increase and decrease,
Summer 1	Probability-vocab, basic probabilities of events Sequences –generate terms of sequence Transformations- reflections, rotations, enlargements, translations	Probability – listing events systematically, experimental probability Sequences- finding the nth term, quadratic sequences Straight line graphs – $y=mx+c$ Revision
Summer 2	Data – averages, frequency tables Constructions- perpendicular bisector, bisect angles Straight line graphs- investigate gradients	Transformations Reflections, translations, rotations, enlargements including fractional Data – averages, frequency tables Constructions - loci Coding