

Maths

	Autumn	Spring	Summer
Year 7	Number and Algebra Place value, addition and subtraction including negative numbers, sequences, rules of algebra, solving equations, BIDMAS, types of numbers, simplifying expressions, substitution, drawing graphs,	Number and Algebra Expanding brackets, factorising, decimals, rounding, using a calculator, types of fractions, adding subtracting fractions, multiplying and dividing fractions, solving equations, functional Maths	Number and Algebra Percentages, worded problems, formulae, rearranging formulae, ratio and proportion, factors and multiples, HCF and LCM, powers and roots, reading interpreting graphs, functional Maths
Year 8	Number properties, geometry, approximations, fractions, data, sequences and graphs, ratio, sequences, angles, transformations,	Probability, constructions, plotting and sketching graphs, solving equations and inequalities, decimals, percentages, plotting and sketching graphs	Real life problems, multiplication and division with decimals, multiples and factors, prime factors, HCF and LCM, negative numbers, adding and subtracting fractions
Year 9	Averages, angles, approximations, decimals and fractions, expressions and formulae, linear graphs, transformations	Expression and formulae, ratio, speed distance and time, proportion, algebra manipulation, length area and volume, perimeter and area,	Statistical representation and interpretation, scatter diagrams, probability and events, multiples and factors, HCF and LCM, powers and

		linear graphs	standard form,
Year 10	Probability, volume and surface area, linear equations, decimals and fractions, percentages and compound measures, expressions and formulae, powers and surds, quadratic equations, sampling, properties of circles	Construction and loci, geometry and measures, number and sequences, right-angled triangles, graphs,	Linear equations, perimeter and area, congruency and similarity, probability, algebraic fractions, vector geometry,
Year 11	Curved shapes and pyramid, geometry and measures, number and sequences, right-angled triangles, probability, standard form, sampling, trigonometry	Simultaneous equations, linear inequalities, non-linear graphs, circle theorems, algebraic fractions, vector geometry	Revision – working on past papers Preparing for the summer exams
Year 12	Pure, Statistics and Mechanics	Pure, Statistics and Mechanics	Pure, Statistics and Mechanics
Year 13	A-Level Maths C3, C4 and M1 A-Level Further Maths M2, M3 and FP3	A-Level Maths C3, C4 and M1 A-Level Further Maths M2, M3 and FP3	A-Level Maths C3, C4 and M1 A-Level Further Maths M2, M3 and FP3

Year 7 and year 8 use Mymaths textbooks in lessons. These textbooks are linked with Mymaths online platform.

<https://www.mymaths.co.uk/>

Courses offered at Keystage 4

- Edexcel GCSE Mathematics Course
- Additional Mathematics for OCR (OCR Free Standing qualification)

GCSE Link: <http://www.edexcel.com/quals/gcse/gcse10/maths/maths-a/Pages/default.asp/>

Courses offered at Key Stage 5

- Edexcel AS and A-Level Further Maths

A Level Link: <http://edexcel.com/quals/gce/gce08/maths/Pages?default.aspx>