Mathematics KS3

We aim to develop talented mathematicians with excellent problem solving skills by promoting understanding and enthusiasm with general and topic based maths. Our students are encouraged in the use of relevant IT resources including the 'MyMaths' website. Mathematics is taught in groups set by ability, with schemes of work facilitating ease of movement between groups if required.

Independent Learning

Independent Learning has a considerable impact on the progress of our students.
Students are set homework by their teachers on a regular basis. Set work is a mixture of worksheets, online based homework tasks and revision/preparation for assessments.

	AUTUMN TERM	SPRING TERM	SUMMER TERM
Year 7	Integers and Decimals Sequences & Functions Perimeter and area Fractions, Decimals and Percentages Processing Data Expressions and Formulae	Calculations and Measure Probability 2D shapes and Construction Integers, Functions and Graphs Percentages, Ratio and Proportion Expressions and Equations	Transformations and Symmetry Surveys and Data Calculations Sequences and Graphs 3D shapes and Construction Problem solving
Year 8	Integers and Decimals Measures Probability Fractions, Decimals and Percentages Expressions and Formulae Angles and Shapes Equations and Graphs	Calculations Transformations Sequences and Roots Collecting and representing Data Ratio and Proportion Algebra	Algebra 3D shapes and Construction Analysing Data Calculations Functional Maths Hypothesis testing
Year 9	Sequences and graphs Proportional reasoning Geometrical reasoning and construction Equations Surveys Measures	Calculations Graphs of functions Probability Transformations and scale Expressions and formulae Interpreting statistics	Geometry – 3D Shapes Advanced calculations Then GCSE course begins-see below

GCSE course begins	
Foundation	Higher
Integers and place value	Calculations, checking and rounding
Decimals	Indices, roots, reciprocals and hierarchy of operations
Indices, powers and roots	Factors, multiples, primes, standard form and surds
Factors, multiples and primes	Averages and range
Tables, charts and graphs	Representing and interpreting data, scattergraphs
Pie charts, scatter graphs	