



Key Stage 3 Curriculum Overview- Maths

Progression from Key Stage 2 and Progression through Key Stage 3:

	Autumn Term	Spring Term	Summer Term
Year 6	<ul style="list-style-type: none"> • Adding and subtracting mixed numbers • Rounding numbers to a degree of accuracy • Similar shapes • Generate and describe linear number sequences • Using formulae • Volume of cubes and cuboids • Translate shapes of a co-ordinate plane • Construct Pie charts and line Graphs • Calculate mean • Identifying factors, common multiples and prime numbers • Multiplying and Dividing numbers up to four digits 		
Year 7	<ul style="list-style-type: none"> • Sequences • Understand and use algebraic notation • Equality and Equivalence • Place value and ordering integers and decimals • Fraction, decimals and percentage equivalence 	<ul style="list-style-type: none"> • Solving problems with addition and subtractions • Solve problems with multiplication and division • Fractions and percentages of amounts • Operation and equations with directed number • Addition and subtraction of fractions 	<ul style="list-style-type: none"> • Constructing, measuring and using geometric notation • Developing geometric reasoning • Developing number sense • Sets and Probability • Prime numbers and proof
Year 8	<ul style="list-style-type: none"> • Ratio and scale • Multiplicative change • Multiplying and dividing fractions • Working in the Cartesian plane • Representing data 	<ul style="list-style-type: none"> • Brackets, equations and inequalities • Sequences • Indices • Fractions and percentages • Standard index form 	<ul style="list-style-type: none"> • Angles in parallel lines and polygons • Area of trapezia and circle • Line symmetry and reflection • The data handling cycle • Measures of location

	<ul style="list-style-type: none"> • Tables and probability 	<ul style="list-style-type: none"> • Number sense 	
Year 9	<ul style="list-style-type: none"> • Straight line graphs • Forming and solving equations • Testing conjectures • Three dimensional shapes • Constructions and congruency 	<ul style="list-style-type: none"> • Numbers • Using percentages • Maths & money • Deduction • Rotation and translation • Pythagoras' theorem 	<ul style="list-style-type: none"> • Enlargement and similarity • Solving ratio and proportion problems • Rates of change • Probability • Algebraic Representation

By the end of Key Stage 3 a student should have:

- A solid foundation in the six strands of Mathematics; Number, Ratio, Algebra, Geometry, Probability and Statistics.
- Fluency in the basic Numeracy Skills which are transferable across the curriculum.
- Built up resilience in dealing with Mathematical problems.