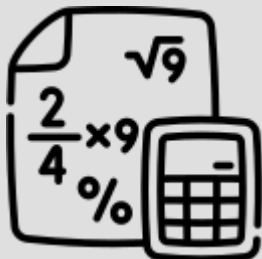


Year 9 Mathematics



Summer Term 2

Algebraic Representation, LCM, HCF, Prime Numbers

Summer Term 1

End of Year Assessment Preparation, Ratio and Proportion

Spring Term 2

Pythagoras' Theorem, Trigonometry, Probability, Rates

Spring Term 1

Deduction, Rotation, Translation, Enlargement, Similarity

Autumn Term 2

Constructions and Congruency, Using Percentages, Maths and Money

Autumn Term 1

Forming and Solving Equations, Testing Conjecture, 3D Shapes, Number



Knowledge	Attributes / Character	Skills	Experiences
<ul style="list-style-type: none"> • Algebra Manipulation • Solving Equations • Rearranging formula • Working with prime numbers • The laws of Indices • Standard form • Estimation and Rounding • Percentages • Angles and Bearings • Sequences • Straight Line Graphs • Averages • Statistical graphs • Ratio and Proportion 	<ul style="list-style-type: none"> • Confidence - Maths is a network of linked ideas. Students can connect mathematical thinking to what they already know and understand, in order to build their confidence in solving mathematical problems. • Organisation - The use of routines is important in mathematics, students will spend time recalling what they already know in order to access new learning. Homework is given regularly to support learning. • Resilience - Maths makes sense and is worth spending time on. Students will become better at it by persevering and practising • Empathy - students are encouraged to work in peers and support each other when they are stuck 	<ul style="list-style-type: none"> • Numeracy • Analysis - to be able to identify the appropriate mathematical skills needed in each question • Application of mathematical processes in problem-solving situations • Communicate mathematically, by showing the steps needed to solve a problem. 	<ul style="list-style-type: none"> • Mathematical Literacy (using the language of Maths) • Using real world examples • Links to careers • UKMT Intermediate Challenge • Maths Clinic