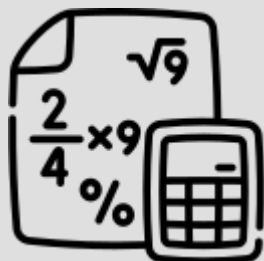


Year 7 Mathematics



Summer Term 2

Number sense and working in the Cartesian Plane.

Summer Term 1

Prime Numbers & Proof
End of Year exam

Spring Term 2

Geometry & Construction, Angles, Sets
& Probability, Prime Numbers

Spring Term 1

Fractions, Percentage of Amounts,
Sequences

Autumn Term 2

Place Value, Ordering Integers &
Decimals, FDP, Multiplication & Division

Autumn Term 1

Directed Number, Algebraic Notation,
Equality & Equivalence



Knowledge	Attributes / Character	Skills	Experiences
<ul style="list-style-type: none"> • Directed Numbers • Understand and Use Algebraic Notation • Equality and Equivalence • Place Value • FDP Equivalence • Solving Problems with Addition and Subtraction • Solving Problems with Multiplication and Division • Fractions and Percentage of an Amount • Addition and Subtraction of Fractions • Construction, Measure and Using Geometric Notation • Developing Geometric Reasoning • Developing Number Sense • Prime Numbers and Proof 	<ul style="list-style-type: none"> • Confidence - Students will be exposed to a variety of key knowledge while building on key concepts learnt in KS2 to build a solid foundation for fluency and confidence. • Organisation - Homework is set on a weekly basis to extend learning from the classroom. Google Classroom is an important platform for all students where further extended learning, Revision and assessment information and important notices are uploaded. Students are expected to check both platforms regularly and complete all tasks in a timely manner. • Resilience - Students build their resilience through problem solving and reasoning. • Empathy - Students are encouraged to work in peers and support each other when they are stuck 	<ul style="list-style-type: none"> • consolidate their numerical and mathematical capability from key stage 2 and extend their understanding of the number system and place value to include decimals, fractions, powers and roots • use algebra to generalise the structure of arithmetic, including to formulate mathematical relationships • develop their mathematical knowledge, in part through solving problems and evaluating the outcomes, including multi-step problems • develop their use of formal mathematical knowledge to interpret and solve problems, including in financial mathematics • begin to reason deductively in geometry, number and algebra, including using geometrical constructions • select and use appropriate calculation strategies to solve increasingly complex problems 	<ul style="list-style-type: none"> • Maths Club • Chess Club • Mathswatch Rewards Trip