MATHS

GCSE Maths Foundation Lower

Curriculum content

Half term	Year 9	Year 10	Year 11
Autumn 1	Basic Number, Factors and Multiples Rounding Basic Percentages Calculating with Percentages Fractions and Decimals	Revision for Unit 1 exam Pythagoras Theorem Properties of polygons	Consolidate and stretch topics from year 9 & 10 including review from recent exam past papers
Autumn 2	Ratio and Proportion Basic Algebra Review Sequences Coordinates and Linear Graphs Standard Form	Angles, Scale Diagrams and Bearings Perimeter and Area Circumference and Area Volume	Consolidate and stretch topics from year 9 & 10 including review from recent exam past papers
Spring 1	Fraction Revision Percentages Revision Quadratics Rearranging Formulae Identities Inequalities	Transformations Congruence and Similarity 2D representations of 3D shapes Measures Trigonometry	Consolidate and stretch topics from year 9 & 10 including review from recent exam past papers
Spring 2	Ratio and Proportion Revision Factor and Multiples Revision Algebra Revision Algebra Graphs Mock Exam Preparation	Trigonometry Vectors Constructions and Loci Number Revision	Consolidate and stretch topics from year 9 & 10 including review from recent exam past papers
Summer 1	Problem Solving Scatter Graphs Statistical Measures	Algebra Revision Mock exam preparation	Consolidate and stretch topics from year 9 & 10 including review from recent exam past papers
Summer 2	Basic Probability Collecting and Representing Data Probability Money Matters	Mock exam preparation Review topics highlighted from mock exams Problem Solving Money Matters	Consolidate and stretch topics from year 9 & 10 including review from recent exam past papers

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Skills

Courses based on this specification in Maths should be able to

- Develop fluent knowledge, skills and understanding of mathematical concepts and methods
- Acquire, Select and Apply mathematical techniques to solve problems
- Reason mathematically, make deductions and inferences and draw conclusions
- Comprehend, Interpret and Communicate mathematical information in a variety of forms appropriate to the information in context
- Recall, select and apply mathematical formula

Assessment

Internal assessment takes place through the use of an APP at the end of every topic. This works out at approximately three APPs per half-term. From these students self-select areas for improvement and complete a MyMaths based homework on this. Every term students sit a teacher assessed half-termly test. At the end of year 9 students sit a summative Unit 2 test covering the topics of Number and Algebra. Early in Year 10 students sit a Unit 1 test which covers Data handling and number. By the end of year 10 students are ready to sit a full linear paper, non-calculator, which they do as part of the school's mock exam week. Throughout year 11 students regularly sit past linear papers including a January mock exam.