

Implementation Curriculum Overview (Year 11) Maths

A learner in Year 11 will cover a balanced curriculum, covering the 5 branches of mathematics: Number, Ratio, Algebra, Shape, statistics & probability.
The three forms of Mathematical knowledge will be taught: Declarative knowledge, procedural knowledge and conditional knowledge

IMPLEMENTATION – planned and sequenced towards cumulative knowledge and skills

Term 1	Set 1 & 2 – Higher	Set 3 & 4 - Foundation	Autumn Summative Assessment
	<ul style="list-style-type: none"> ➤ Cumulative Frequency & Box Plots ➤ Direct & Inverse Proportion ➤ Factorising Quadratics ➤ Quadratic Equations ➤ Functions ➤ Advanced Trigonometry ➤ Iteration ➤ Rates of Change 	<ul style="list-style-type: none"> ➤ Sequences ➤ Fractions ➤ Angles 1 ➤ Angles 2 ➤ Financial Maths ➤ Algebra ➤ Linear equations ➤ Ratio ➤ Percentages ➤ Vectors 	Questions based on the content taught covering all 3 AOs: <ul style="list-style-type: none"> ➤ AO1: Use and apply standard techniques ➤ AO2: Reason, interpret and communicate mathematically ➤ AO3: Solve problems within mathematics and in other contexts
Term 2	Set 1 & 2 – Higher	Set 3 & 4 - Foundation	Spring Summative Assessment
	<ul style="list-style-type: none"> ➤ Bounds ➤ Congruence & Similarity ➤ Algebraic fractions & proof ➤ Equation of a circle ➤ Inequalities and regions ➤ Simultaneous equations ➤ Real Life graphs ➤ Histograms 	<ul style="list-style-type: none"> ➤ Transformations ➤ Standard form ➤ Pythagoras ➤ Trigonometry ➤ Linear Graphs ➤ Probability ➤ Number 	Questions based on the content taught covering all 3 AOs: <ul style="list-style-type: none"> ➤ AO1: Use and apply standard techniques ➤ AO2: Reason, interpret and communicate mathematically ➤ AO3: Solve problems within mathematics and in other contexts <p>30% of the marks will be awarded for topics from term 1, 70% of the marks from topics taught in term 2.</p>
Term 3	Set 1 & 2 – Higher	Set 3 & 4 - Foundation	Summer Summative Assessment
	<ul style="list-style-type: none"> ➤ Revision for GCSE Maths 	<ul style="list-style-type: none"> ➤ Revision for GCSE Maths 	GCSE Maths exam