

Implementation Curriculum Overview (Year 10) Maths

A learner in Year 10 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	Set 3 & 4	Autumn Summative Assessment
	<ul style="list-style-type: none"> ➤ Linear Equations ➤ Linear inequalities ➤ Algebra 1 ➤ Factorise quadratics ➤ Area & Perimeter ➤ Circles ➤ Volume & Surface Area ➤ Formulae ➤ Indices ➤ Surds 	<ul style="list-style-type: none"> ➤ Linear Equations ➤ Linear inequalities ➤ Ratio 1 ➤ Proportion ➤ Algebra 1 ➤ Formulae ➤ Area & Perimeter ➤ Circles ➤ Averages & Ranges 	<p>Questions based on the content taught covering all 3 AOs:</p> <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	Set 3 & 4	Spring Summative Assessment
	<ul style="list-style-type: none"> ➤ Ratio 1 ➤ Percentages ➤ Simultaneous Equations ➤ Real Life Graphs ➤ Constructions & Loci ➤ Probability ➤ Rev. Factorise Quadratics ➤ Quadratic Equations ➤ Standard form 	<ul style="list-style-type: none"> ➤ Scatter graphs ➤ Standard form ➤ Indices ➤ Percentages ➤ Graphs 1 ➤ Real Life Graphs ➤ Probability 	<p>Questions based on the content taught covering all 3 AOs:</p> <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	Set 3 & 4	Summer Summative Assessment
	<ul style="list-style-type: none"> ➤ Ratio & proportion ➤ Direct inverse & Proportion ➤ Accurate drawing & Scale drawing & 3d Shapes ➤ Rev. Angles & Shapes 1 ➤ Circle geometry ➤ Pythagoras Theorem ➤ Trigonometry 1 	<ul style="list-style-type: none"> ➤ Volume & Surface Area ➤ Rev. Linear Equations ➤ Expanding brackets ➤ Processing, representing & interpreting data ➤ Rounding, estimating & bounds ➤ Transformations 	<p>Questions based on the content taught covering all 3 AOs:</p> <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>Marks will be awarded approximately: 20% of the marks for term 1 topics 20% of the marks for term 2 topics 60% of the marks for term 3 topics.</p>