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 3a, 3b, 4a	Set 4b & 5a	Autumn Summative Assessment
	- PYTHAGORAS' THEOREM - TRIGONOMETRY 1 - ALGEBRA 1 - SIMULTANEOUS EQUATIONS 1 - CUMULATIVE FREQUENCY, BOX PLOTS & HISTOGRAMS - SCATTER GRAPHS & Frequency Polygons - RATIO & PROPORTION -AREA & PERIMETER, CIRCLES	- PYTHAGORAS' THEOREM - TRIGONOMETRY 1 - STANDARD FORM - ALGEBRA 1 - Represent Data - RATIO & PROPORTION - AREA & PERIMETER, CIRCLES - VOLUME & SURFACE AREA - LINEAR EQUATIONS/INEQUALITIES - FACTORISE QUADRATICS - FORMULAE - PROBABILITY	- PYTHAGORAS' THEOREM - ALGEBRA 1 - SEQUENCES - LINEAR EQUATIONS & Inequalities - Representing & interpreting data - DECIMALS & FRACTIONS - Averages and Ranges - RATIO 1 - FORMULAE - TRANSFORMATIONS	Questions based on the content taught covering all 3 AOs: - 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 3a, 3b, 4a	Set 4b, & 5a	Spring Summative Assessment
	- VOLUME & SURFACE AREA - LINEAR EQUATIONS - INEQUALITIES - FACTORISE QUADRATICS - FORMULAE - INDICES - NUMBER - STANDARD FORM - CONSTRUCTIONS AND LOCI - GRAPHS 1	- INDICES (Inc prime factorisation) - DECIMALS & FRACTIONS - GRAPHS 1 - Distance Time Unit (inc REAL LIFE GRAPHS) - CONSTRUCTIONS AND LOCI - QUADRATIC EQUATIONS - GRAPHS 2 - PERCENTAGES	- ANGLES & SHAPES 1 - ANGLES & SHAPES 2 - AREA & PERIMETER 1 - CIRCLES - VOLUME & SURFACE AREA - PERCENTAGES - INDICES - STANDARD FORM	Questions based on the content taught covering all 3 AOs: - AO1: Use and apply standard techniques - AO2: Reason, interpret and communicate mathematically - AO3: Solve problems within mathematics and in other contexts 30% of the marks will be awarded for topics from term 1, 70% of the marks from topics taught in term 2.

Term 3	Set 1 & 2	Set 3a, 3b, 4a	Set 4b, & 5a	
	➤ INEQUALITIES & REGIONS REAL LIFE GRAPHS ➤ ACCURATE DRAWING & SCALE DRAWING, 3D SHAPES ➤ ANGLES & SHAPES 1 &2 ➤ DIRECT & INVERSE PROPORTION ➤ PROBABILITY ➤ QUADRATIC EQUATIONS ➤ GRAPHS 2 ➤ CIRCLE GEOMETRY ➤ TRIGONOMETRY 2 ➤ VECTORS	➤ TRANSFORMATIONS ➤ ACCURATE DRAWING and SCALE DRAWING & 3D SHAPES ➤ VECTORS ➤ ROUNDING , ESTIMATING & BOUNDS ➤ Sequences ➤ Sampling ➤ ANGLES & SHAPES ➤ Currency conversion ➤ Recipes ➤ Simultaneous Equations	➤ GRAPHS1 10REAL LIFE GRAPHS ➤ PROBABILITY ➤ LINEAR EQUATIONS ➤ COLLECTING AND RECORDING DATA ➤ YEAR 10 EXAMS ➤ ROUNDING , ESTIMATING & BOUNDS ➤ ➤ CONSTRUCTION & LOCI	Questions based on the content taught covering all 3 AOs: ➤ AO1: Use and apply standard techniques ➤ AO2: Reason, interpret and communicate mathematically ➤ AO3: Solve problems within mathematics and in other contexts 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.