

Implementation Curriculum Overview (Year 8) Maths

A learner in Year 8 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"> ➤ Numeracy & Numeracy ➤ Factors, Multiples and primes ➤ Algebra manipulation ➤ Rounding & Estimating ➤ Fractions & Decimals ➤ Ratio ➤ Powers & Roots ➤ Sequences 	<ul style="list-style-type: none"> ➤ Numeracy & Numeracy ➤ Factors, Multiples and primes ➤ Algebra manipulation ➤ Rounding & Estimating ➤ Fractions & Decimals ➤ Ratio ➤ Powers & Roots ➤ Sequences 	<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"> ➤ Equations ➤ Area & Perimeter Volume ➤ Pythagoras theorem ➤ Graphs ➤ Transformations ➤ Percentages 	<ul style="list-style-type: none"> ➤ Equations ➤ Area & Perimeter Volume ➤ Pythagoras theorem ➤ Graphs ➤ Transformations ➤ Percentages 	<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"> ➤ Probability ➤ Standard Form ➤ Angles ➤ Charts & Diagrams ➤ Averages ➤ Measures ➤ Rearranging Formula ➤ Inequalities ➤ Loci & Construction 	<ul style="list-style-type: none"> ➤ Probability ➤ Standard Form ➤ Angles ➤ Charts & Diagrams ➤ Averages ➤ Measures ➤ Rearranging Formula ➤ Inequalities ➤ Loci & Construction 	<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>

