



STUDY GUIDE

Year 10A Mathematics

TERM 1

Assessment

A task
Mental computation
End of Term Test

7th week of Term
Last week of Term
Last week of Term

Chapter	Strand Sub-Strand	Content Description
Algebra 1 Chapter 1 (2 weeks)	Number and Algebra Patterns and Algebra	<ul style="list-style-type: none">★ Factorise algebraic expressions by taking out a common algebraic factor.★ Simplify algebraic products and quotients using index laws.★ Apply the four operations to simple algebraic fractions with numerical denominators.
Linear Equations Chapter 2 (2 weeks)	Number and Algebra Linear & Non-linear Relationships	<ul style="list-style-type: none">★ Solve problems involving linear equations, including those derived from formulas.★ Solve linear inequalities and graph their solutions on a number line.★ Solve linear simultaneous equations, using algebraic and graphical techniques including using digital technology.
Area & Volume Chapter 3 (2 weeks)	Measurement & Geometry Using Units of Measurement	<ul style="list-style-type: none">★ Solve problems involving surface area and volume for a range of prisms, cylinders and composite solids.★ 10A Solve problems involving surface area and volume of right pyramids, right cones, spheres and related composite solids.
Indices, Surds, Logs Chapter 4 (2 weeks)	Number and Algebra Real Numbers	<ul style="list-style-type: none">★ 10A Define rational and irrational numbers and perform operations with surds and fractional indices.★ 10A Use the definition of a logarithm to establish and apply the laws of logarithms.
Review Chapter 5 (2 weeks)	All of above	All of above