



# STUDY GUIDE

## Year 10 Mathematics

## TERM 4

### 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
<b>Coordinate Geometry</b> Chapter 16 (3 weeks)	<b>Number and Algebra</b> Linear & Non-linear Relationships	<ul style="list-style-type: none"><li>★ Solve problems involving parallel and perpendicular lines.</li><li>★ Explore the connection between algebraic and graphical representations of relations such as simple quadratics and circles using digital technology as appropriate.</li></ul>
<b>Geometric Reasoning</b> Chapter 17 (3 weeks)	<b>Measurement &amp; Geometry</b> Geometric Reasoning	<ul style="list-style-type: none"><li>★ Formulate proofs involving congruent triangles and angle properties.</li><li>★ Apply logical reasoning, including the use of congruence and similarity, to proofs and numerical exercises involving plane shapes.</li></ul>
<b>Statistics 2</b> Chapter 18 (2 weeks)	<b>Statistics &amp; Probability</b> Data Representation & Interpretation	<ul style="list-style-type: none"><li>★ Use scatter plots to investigate and comment on relationships between two numerical variables.</li><li>★ Investigate and describe bivariate numerical data where the independent variable is time.</li><li>★ Evaluate statistical reports in the media and other places by linking claims to displays, statistics and representative data.</li></ul>
<b>Review</b> Chapter 20 (2 weeks)	All of above	All of above