STUDY GUIDE

Year 10A Mathematics   TERM 3

Assessment

A task	7th week of Term
Mental computation	Last week of Term
End of Term Test	Last week of Term

Chapter	Strand Sub-Strand	Content Description
Finance Chapter 11 (2 weeks)	**Number and Algebra** Money & Financial Mathematics	★ Connect the compound interest formula to repeated applications of simple interest using appropriate digital technologies.
Trigonometry 1 Chapter 12 (2 weeks)	**Measurement & Geometry** Pythagoras & Trigonometry	★ Solve right-angled triangle problems including those involving direction and angles of elevation and depression.
Statistics 1 Chapter 13 (2 weeks)	**Statistics & Probability** Data Representation & Interpretation	★ Determine quartiles and interquartile range. ★ Construct and interpret box plots and use them to compare data sets. ★ Compare shapes of box plots to corresponding histograms and dot plots. ★ **10A** Calculate and interpret the mean and standard deviation of data and use these to compare data sets.
Graphs Chapter 14 (2 weeks)	**Number and Algebra** Linear & Non-linear Relationships	★ **10A** Apply understanding of polynomials to sketch a range of curves and describe the features of these curves from their equation. ★ **10A** Solve simple exponential equations. ★ **10A** Describe, interpret and sketch parabolas, hyperbolas, circles and exponential functions and their transformations. ★ **10A** Factorise monic and non-monic quadratic expressions and solve a wide range of quadratic equations derived from a variety of contexts.
Review Chapter 15 (2 weeks)	All of above	All of above