

Stage 2 General Mathematics: Overview 2018

Teacher: Rebecca Vogt

Weeks	Topic	Summative Assessments
Term 1 1-5	Applied Geometry Pythagoras Theorem Trigonometry Sine and Cosine Rules Area and Volume of compound shapes Simpson's Rule Absolute and relative error	Applied Geometry SAT #1 (Monday 26th Feb) Supervised written assessment One A4 page of handwritten notes permitted
6-11	Modelling with Linear Relationships Linear Functions Simultaneous Equations Linear Programming Trial and error Non-integer optimal solution	Linear Relationships SAT #2 (Monday 9th April) Part A Non-calculator section Part B Calculator Section Supervised written assessment One A5 page of handwritten notes permitted for calculator section only
Term 2 1-5	Financial Models Compound Interest Taxable Income Inflation Superannuation Sinking Funds Reducing balance of loans	Financial Models SAT #3 (Monday 28th of May) Supervised written assessment One A4 page of handwritten notes permitted Financial Models Investigation – Superannuation 3 weeks to complete. Some class time is allowed to support verification Maximum of 12 single-sided A4 pages Draft Due: 21st of May Final Due: 28th of May
6-10 Term 3 1-3	Statistical Models Data and Sampling Analysis and representation Scatterplots Correlation Coefficients Linear Regression Exponential regression Normal Distribution	Statistical Models SAT #4 (Monday 6th of August) Supervised written assessment One A4 page of handwritten notes permitted Statistical Model Investigation – Coffee Cooling 3 weeks to complete. Some class time is allowed to support verification Maximum of 12 single-sided A4 pages Draft Due: 23rd of July Final Due: 30th of July
Term 3 4-10	Discrete Models Critical Path Analysis Precedence tables Drawing networks Forward and backward scan Changing initial parameters Hungarian algorithm	Discrete Models SAT #5 (Monday 17th of September) Supervised written assessment No notes or calculator permitted
Term 4 Revision Exam Thursday 8th November 2018		