Varsity College
Year 11 General Mathematics 2025

Term 1

Week	Date	Topics	Assessment
1	**27-31 January** O-Week Australia Day: Monday	**O-WEEK** • Percentages and Applications	
2	**3-7 February**	• Salaries and wages • Overtime, penalty rates and royalties • commission and piecework • Calculate government allowances	
3	**10-14 February** Swimming Carnival: Tuesday	• Unit cost method • Currency and exchange rates • Prepare a budget	
4	**17-21 February**	• Simple Interest • Simple Interest (rearranging formula) • Inflation • Shares and Dividends	
5	**24-28 February**	• Substituting values (Linear and Non-Linear) • Transposition of equations • Constructing a table of values (with 2 variables) (Practice using a spreadsheet)	
6	**3-7 March** GC25: Wednesday	• Solving linear equations with one unknown • Developing a linear equation from words • Developing a formula: setting up linear equations in 2 unknowns	
7	**10-14 March**	• Drawing straight line graphs • Determining the slope • The slope-intercept form of the equation • Finding the equation of a line • Application of Linear Modelling	
8	**17-21 March**	**REVISION**	
9	**24-28 March**	**EXAM BLOCK**	**Unit 1 Topics 1, 4 and 5 ONLY**
10	**31 March - 4 April**	• Solving simultaneous equations – algebraically • Solving simultaneous equations – using technology	
School holidays: Friday April 4 - Sunday April 19			

Term 2

Week	Date	Topics	Assessment
1	**21-25 April** Easter Monday ANZAC Day: Friday	• Problem Solving with Simultaneous Equations • Sketch and interpret piece-wise and step graphs	
2	**28 April-2 May** GC25: Tuesday	**PSMT WEEK**	**PSMT out**
3	**5-9 May** Labour Day: Monday	• The Basics of a matrix • Using matrices in practical situations	**Checkpoint 1**
4	**12-16 May**	• Adding and subtracting matrices • Scalar multiplication	**Checkpoint 2** **Draft Due**
5	**19-23 May**	• Matrix multiplication and power of a matrix • Problem-solving and modelling with matrices	**Checkpoint 3**
6	**26-30 May**	• Communications and connections • Further applications and problem-solving tasks	**PSMT Due** **Lesson 1**
7	**2-6 June** GC25: Wednesday	**EXAM BLOCK**	
8	**9-13 June** GC25: Wednesday	• Types of Data • Displaying and Describing Categorical Data • Interpreting Categorical Data Graphs	
9	**16-20 June**	• Displaying and Describing Numerical Data • Characteristics of Numerical data distribution	
10	**23-27 June**	• Interpreting Numerical Data Graphs (Dot Plots and Stem and Leaf) • Summarising Data	
School holidays: Saturday June 28 - Sunday July 13			

Term 3

Week	Date	Topics	Assessment
1	**14-18 July**	• Construct and interpret boxplots	
2	**21-25 July**	• Problem solving using statistical investigation processes • Compare data across 2 or more data groups	
3	**28 July-1 August**	• Review of basic trigonometry • Finding the unknown side • Finding an angle	
4	**4-8 August**	• Applications • Angles of elevation and depression	
5	**11-15 August** GC25: Tuesday	• Bearings and navigation • Area of triangle (Heron's Rule)	
6	**18-22 August** GC25: Tuesday	• The Sine Rule • The Cosine Rule • Problem Solving and Modelling	
7	**25-29 August** GC Show Day: Friday	**REVISION**	
8	**1-5 September**	**REVISION**	
9	**8-12 September**	**EXAM BLOCK**	**Unit 2 Topics 2, 4 and 5 ONLY**
10	**15-19 September**	**EXAM BLOCK**	
		School holidays: Saturday September 20 – Sunday October 4	

Term 4

Week	Date	Topics	Assessment
1	**6-10 October** **King's Birthday: Monday**	• Review types of data from term 3 • Displaying bivariate data - The scatterplot • Interpreting a scatterplot	
2	**13-17 October**	• A measure of strength – the correlation coefficient • The coefficient of determination	
3	**20-24 October**	• Fitting a linear model	**IA1 PSMT** **Hand out Lesson 3**
4	**27-31 October**	• Assessing the Least squares regression line – The Residual Plot	**Checkpoint 1**
5	**3-7 November**	• Angle measurement and arc length	**Checkpoint 2** **Draft Due**
6	**10-14 November**	• Latitude and longitude	**Checkpoint 3**
7	**17-21 November**	• Time Zones and differences	**IA1 PSMT** **Due in Lesson 3**
8	**24-28 November**	**EXAM BLOCK**	
	School holidays: Saturday November 29 – Monday January 26		