



## Varsity College Year 10 General Mathematics – Semester 2, 2024

1       8-12.July <ul> <li>Interpret data and construct scatter plots</li> <li>Construct all ne of best fir and use to make predictions</li> <li>Use scatterplots to investigate bivariate data, lines of best fit and interpolation/extrapolation of information</li> <li>Sketch lines of the form <math>y = mx + c</math> (<math>y = a + bx</math>) using a table and without</li> <li>Recap finding gradients and points of intercept from both equation and plot</li> <li>Review forming an equation from a graph</li> <li>Statistics / Algebra investigation</li> <li>Calculate 5 number summary</li> <li>(Recal and apply measures of spread - median and IQR)</li> <li>Use 5 number summary to transfer to box and whisker plots</li> <li>Compare box and whisker plots in terms of distribution</li> <li>2.63 September</li> <li>Directed Term Revision</li> <li>Classify a categorical variable as ordinal or nominal and use tables and pie, bar &amp; column charts to organise &amp; display the data</li> <li>Classify a categorical variable as ordinal or nominal and use tables and pie, bar &amp; column charts to organise &amp; display the data</li> <li>Calculate the measures of average and spread in discrete and continuous scenarios (being aware of the significance of pointerers and, areas of circles, sectors of circles, triangles, trapeziums, paralelograms and composites</li> <li>Solve problems requiring calculations of pointerers and, areas of circles, sectors of circles, triangles, rectangles, trapeziums, paralelograms and composites</li> <li>Select and justify an appropriate graphical display to describe the distribution of a use fit to solve problems</li> <li>Solve problems requiring calculations of pointenters an</li></ul>	Week	Date	Topics	Assessment	
2       15-19 July       - Construct a line of best fit and use to make predictions         3       15-19 July       - Use scatterplots to investigate bivariate data, lines of best fit and interpolation / extrapolation of information         3       22-26 July       - Sketch lines of the form $y = mx + c (y = a + bx)$ using a table and without         4       29 Jul-2 Aug       - Review forming an equation from a graph         5       5-9A ugust       - Statistics / Algebra investigation         6       12-16 August       - Statistics / Algebra investigation         7       - Calculate 5 number summary       - Calculate 5 number summary         7       - Compare box and whisker plots in terms of distribution         9       2-6-30 August       - Compare box and whisker plots in terms of distribution         9       2-6 September       - Directed Term Revision         10       9-13 September       - Exam         2       Kohool holiday: Saturday September 14 - Sunday September 29         2       - Classify a categorical variable as categorical or numerical tables of display the data         1       - Classify a categorical variable as discrete or continuous         7-11 October       - Classify a numerical data bio regrames 40 clapslay to describe the distribution of an umerical dataset, including dot plot, stemathed ata induces the data asti)         2       * Compare s	1				
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5       • Recap work on volume and surface area and, extend to composite solids         6       4-8 November       • Calculate surface area, volumes and capacities of standard 3D objects including spheres, rectangular prisms, cylinders, cones, pyramids and composites         7       11-15 November       • Directed Semester Revision         8       18-22 November       • EXAM BLOCK			parallelograms and composites		
composite solids       composite solids         4-8 November       • Calculate surface area, volumes and capacities of standard 3D objects including spheres, rectangular prisms, cylinders, cones, pyramids and composites         7       11-15 November       • Directed Semester Revision         8       18-22 November       EXAM BLOCK       Semester Exam		28 Oct – 1 Nov	•		
64-8 November 3D objects including spheres, rectangular prisms, cylinders, cones, pyramids and composites• Calculate surface area, volumes and capacities of standard 3D objects including spheres, rectangular prisms, cylinders, cones, pyramids and composites711-15 November 8• Directed Semester Revision818-22 NovemberEXAM BLOCK	5				
6       3D objects including spheres, rectangular prisms, cylinders, cones, pyramids and composites         7       11-15 November       • Directed Semester Revision         8       18-22 November       EXAM BLOCK       Semester Exam					
cones, pyramids and composites       7     11-15 November       8     18-22 November   EXAM BLOCK Semester Exam	,	4-8 November			
7       11-15 November       • Directed Semester Revision         8       18-22 November       EXAM BLOCK       Semester Exam	6				
8         18-22 November         EXAM BLOCK         Semester Exam	_	11 15 November			
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School holidays: Saturday November 23 – Monday January 27	8	18-22 November	EXAM BLOCK	Semester Exam	
		Schoo	ol holidays: Saturday November 23 – Monday January	y 27	