

Varsity College
Year 10 – General Mathematics – Semester 2 – 2023

Term 3, 2023

Week	Date	Topics	Assessment
1	10-14 July Athletics Carnival - Wed	<ul style="list-style-type: none"> Change fractions and decimals to percentages Understand and use the terms cost price, selling price and marked price; discount, mark-up, profit and loss 	
2	17-21 July	<ul style="list-style-type: none"> Percentages and commission Rates and ratios 	
3	24-28 July	<ul style="list-style-type: none"> Interpret data and construct scatter plots Construct a line of best fit and use to make predictions 	
4	31 July – 4 August	<ul style="list-style-type: none"> Use scatterplots to investigate bivariate data, lines of best fit and interpolation/ extrapolation of information 	
5	7-11 August	<ul style="list-style-type: none"> Sketch lines of the form $y = mx + c$ using a table and without Recap finding gradients and points of intercept from both equation and plot 	
6	14-18 August	<ul style="list-style-type: none"> Review forming an equation from a graph 	
7	21-25 August	<ul style="list-style-type: none"> Calculate 5 point summary (Recall and apply measures of spread - median and IQR) Use 5 point summary to transfer to box and whisker plots 	
8	28 August – 1 Sept. GC Show PH - Fri	<ul style="list-style-type: none"> Compare box and whisker plots in terms of distribution 	
9	4-8 September	<ul style="list-style-type: none"> Revision and Exam 	Exam Lesson 3
10	11-15 September	<ul style="list-style-type: none"> Statistics investigation 	
School Holidays: Saturday September 16 – Monday October 2			

Term 4, 2023

Week	Date	Topics	Assessment
1	2-6 October King's Birthday PH - Mon	<ul style="list-style-type: none"> Define univariate data Classify statistical variables as categorical or numerical Classify a categorical variable as ordinal or nominal and use tables and pie, bar & column charts to organise & display the data Classify a numerical variable as discrete or continuous 	
2	9-13 October	<ul style="list-style-type: none"> Select and justify an appropriate graphical display to describe the distribution of a numerical dataset, including dot plot, stem-and-leaf plot, column chart or histogram 	
3	16-20 October	<ul style="list-style-type: none"> Compare box and whisker plots to dot plots in terms of distribution Calculate the measures of average and spread in discrete and continuous scenarios (being aware of the significance of the size of the data set) 	
4	23-27 October	<ul style="list-style-type: none"> Review Pythagoras Theorem and use it to solve problems Solve problems requiring calculations of perimeters and, areas of circles, sectors of circles, triangles, rectangles, trapeziums, parallelograms and composites 	
5	30 Oct – 3 Nov	<ul style="list-style-type: none"> Obtain a scale factor and use it to solve scaling problems Recap work on volume and surface area and, extend to composite solids 	
6	6-10 November	<ul style="list-style-type: none"> Calculate surface area, volumes and capacities of standard 3D objects including spheres, rectangular prisms, cylinders, cones, pyramids and composites 	
7	13-17 November	<ul style="list-style-type: none"> Revision 	
8	20-24 November	Exam Block	Semester Exam
School Holidays: Saturday November 25 – Sunday January 21, 2024			