Varsity College
Year 8 Subject – Semester 2, 2024

Term 3, 2024

Week	Date	Topics	Assessment
1	**8-12 July** **Athletics Carnival - Wed**	**Solving Linear Equations** • Solve linear equations using inverse operations involving one step • Solve linear equations using inverse operations involving two steps	
2	**15-19 July**	• Solve linear equations using inverse operations involving variables on both sides	
3	**22-26 July** **GC24 - Thursday**	**Graphing Linear Equations** • Recall Cartesian Plane and plotting points using coordinates • Use a table of values to plot points on the Cartesian Plane • Sketch linear functions using a table of values	
4	**29 Jul- 2 Aug**	• Identify the gradient and the y-intercept from an equation • Identify the y-intercept from a graph • Describe the gradient from a graph	
5	**5-9 August**	• Investigate linear functions using graphing software • Apply linear equations to model and solve practical problems **Inequalities** • Sketch inequalities on a number line • Solve one-variable inequalities	
6	**12-16 August** **GC24 Finals – Wed.**	**Revision**	
7	**19-23 August**	**Revision**	**EXAM L2**
8	**26-30 August**	**Perimeter & Area** • Calculate the perimeter of shapes including appropriate units • Calculate the area of shapes including appropriate units • Calculate the area of composite shapes by composing and decomposing shapes	
9	**2-6 September**	• Use appropriate methods to estimate the perimeter and area of irregular shapes • Recall properties of a circle and calculate circumference and area • Apply the formula for area and circumference of a circle to solve practical problems	
10	**9-13 September**	**Volume & Capacity** • Recall volume of rectangular and triangular prisms • Convert between units of volume and convert volume units to capacity units • Apply volume and capacity to practical problems	
School holidays: Saturday September 14 – Sunday September 29			

Term 4, 2024

Week	Date	Topics	Assessment
1	**30 Sept – 4 Oct**	**Data & Statistics** • Use sampling to collect data and investigate its practicalities and implications including random and non-random sampling and sample size • Discuss the impact of bias on observations, experiments and sampling methods	
2	**7-11 October** King's B'day PH - Monday	• Recall statistical measures of central tendencies and spread • Use statistical measures to compare and interpret data sets	
3	**14-18 October**	**PSMT**	
4	**21 - 25 October**	**PSMT**	
5	**28 Oct – 1 Nov**	**Probability** • Recall language of probability and compare theoretical and experimental probability • Compare theoretical and experimental probability • Use the sum of probabilities to calculate complementary events	
6	**4-8 November**	• Calculate the probability of multiple events using the 'OR' and 'AND' laws • Construct and use two-way tables to calculate the probabilities of events	
7	**11-15 November**	• Construct and use Venn diagrams to calculate probabilities of events **Revision**	
8	**18-22 November**	**Revision**	**EXAM L2**
9	**25-29 November**	**Consolidation**	
10	**2-6 December**	**Alternative Program**	
11	**9-13 December**	**Supervision only week**	
School holidays: Saturday December 14 – Tuesday January 28			