

Varsity College Year 9 Mathematics – Semester 2, 2024

Week	Date	Topics	Assessment
1	8-12 July Athletics Carnival - Wed	Surface Area and Volume <ul style="list-style-type: none"> Calculate the surface area of right prisms, cylinders and spheres Calculate surface area of composite prisms 	
2	15-19 July	Surface Area and Volume <ul style="list-style-type: none"> Calculate the volume of right prisms, cylinders and spheres Calculate volume of composite prisms 	
3	22-26 July GC24 - Thursday	Problem Solving and Modelling Task (formative)	
4	29 Jul- 2 Aug	Problem Solving and Modelling Task (formative)	
5	5-9 August	Probability <ul style="list-style-type: none"> Review calculating theoretical probability Calculate experimental probabilities from given data Determine the expected number of outcomes 	
6	12-16 August GC24 Finals – Wed.	Probability <ul style="list-style-type: none"> Use data to estimate probability of events involving “and”, inclusive “or” and exclusive “or” 	
7	19-23 August	Probability <ul style="list-style-type: none"> Use array tables to determine probabilities for two step experiments List all outcomes and determine probabilities for compound events using tree diagrams (with and without replacement) 	
8	26-30 August	Revision	
9	2-6 September	Revision	Exam Lesson 3
10	9-13 September	Probability Experiment <ul style="list-style-type: none"> Design and conduct chance experiments and simulations 	
School holidays: Saturday September 14 – Sunday September 29			
Week	Date	Topics	Assessment
1	30 Sept – 4 Oct	Trigonometry <ul style="list-style-type: none"> Labelling and identifying right angled triangles Introduce SOH CAH TOA Apply SOH CAH TOA in right-angle triangles to determine unknown side (numerator of ratio) 	
2	7-11 October King's B'day PH - Monday	Trigonometry <ul style="list-style-type: none"> Apply SOH CAH TOA in right-angle triangles to determine unknown side (denominator of ratio) Apply SOH CAH TOA in right-angle triangles to determine unknown angle 	
3	14-18 October	Trigonometry <ul style="list-style-type: none"> Review Similarity and scale factor Apply trigonometry to problems involving Similarity 	
4	21 - 25 October	Coordinate Geometry <ul style="list-style-type: none"> Recall the rule for a linear function ($y = mx + c$) Use digital tools to investigate gradient relationships for parallel and perpendicular lines Determine the gradient of a line between 2 points 	
5	28 Oct – 1 Nov	Coordinate Geometry <ul style="list-style-type: none"> Determine the midpoint of a line segment between 2 points Apply Pythagoras theorem to calculate the distance between 2 points 	
6	4-8 November	Coordinate Geometry <ul style="list-style-type: none"> Model and solve problems involving practical and financial contexts Interpolate and extrapolate data points from linear models 	
7	11-15 November	Revision	
8	18-22 November	Revision	Exam Lesson 2
9	25-29 November	Consolidating Activities <ul style="list-style-type: none"> Plotting Coordinate points 	
10	2-6 December	Alternative Program	
11	9-13 December	Supervision only week	
School holidays: Saturday December 14 – Tuesday January 28			