

Varsity College Year 10 Engineering – Semester 1, 2024

Week	Date	Topics	Assessment
1	22-26 January	Workshop induction, OnGuard training, introduction to	
	O-Week Australia Day PH Fri	the unit and assessment.	
		Explore – Newton's laws of motion	
2	29 Jan-2 Feb	Explore – Scalar vs Vector quantities	
		Explore – Forces	
		Resolving vectors into Horizontal and Vertical	
	F O Fohruary	components (trigonometry)	_
3	5-9 February Swimming Carnival - Thurs	Explore – Mass, Gravity and Weight Vactor Analysis – Analysis started	
	12-16 February	Vector Analysis – Analytical Vector Analysis – Brahlam Salving	
4	12-10 1 ebituary	Vector Analysis – Problem SolvingExplore – Friction	
	19-23 February	Clarifying Unknowns – Mousetrap specifications	
5	10 20 1 001 001	Clarifying Unknowns – Coefficient Experiment	
		Explore – Motion graphs	
	26 Feb-1 Mar	Explore - Engineering Problem solving process	
6	GC24 - Wednesday	Explore – Introduction to linear motion	
		Explore – Materials	
7	4-8 March	Exam Revision	
8	11-15 March	Report – Task Sheet. Assignment set up and layout	Exam Lesson 3
		Report – Transfer class notes and experiment data	
9	18-22 March	Explore – Gantt chart, Success Criteria, Knowns,	
	GC24 - Thursday	Unknowns, Assumptions and Limitations, Related	
		technical language.	
10	25-29 March Good Friday PH	Clarifying Unknowns – Mouse trap data	
		Report – SC Development. Referencing.	
	S	chool holidays: Friday March 29 - Sunday April 1	14
1	15-19 April Cross Country - Wed	Ideation – Existing designs and concepts designs	
2	22-26 April GC24 - Tuesday Anzac Day PH - Thurs	Prototyping and Final Design - Build and modify	
3	29 Apr-3 May	Prototyping and Final Design - Build and modify	
		Related technology - Logger Pro	
4	6-10 May Labour Day PH - Mon	Prototyping and Final Design – Build and modify	Draft due
5	13-17 May	Prototyping and Final Design - Build and modify	
6	20-24 May	Prototyping and Final Design - Build and modify	
7	27-31 May	Testing week	Final Prototype Due
7		Analysing, Evaluation and Recommendations	
8	3-7 June	·	
	3-7 June 10-14 June GC24 - Wednesday	Analysing, Evaluation and Recommendations Analysing, Evaluation and Recommendations	Project Folio Lesson 3