

Varsity College Year 10 Engineering 2025

Term 1

Week	Date	Topics	Assessment
1	27-31 January O-Week Australia Day: Monday	<ul style="list-style-type: none"> Workshop induction, OnGuard training, introduction to the unit and assessment. Explore – Newton's laws of motion 	
2	3-7 February	<ul style="list-style-type: none"> Explore – Scalar vs Vector quantities Explore – Forces Resolving vectors into Horizontal and Vertical components (trigonometry) 	
3	10-14 February Swimming Carnival: Tuesday	<ul style="list-style-type: none"> Explore – Mass, Gravity and Weight Vector Analysis – Analytical 	
4	17-21 February	<ul style="list-style-type: none"> Vector Analysis – Problem Solving Explore – Friction 	
5	24-28 February	<ul style="list-style-type: none"> Clarifying Unknowns – Mousetrap specifications Clarifying Unknowns – Coefficient Experiment Explore – Motion graphs 	
6	3-7 March GC25: Wednesday	<ul style="list-style-type: none"> Explore - Engineering Problem solving process Explore – Introduction to linear motion Explore – Materials 	
7	10-14 March	<ul style="list-style-type: none"> Exam Revision 	
8	17-21 March	<ul style="list-style-type: none"> Report – Task Sheet. Assignment set up and layout Report – Transfer class notes and experiment data 	Exam Lesson 2
9	24-28 March	<ul style="list-style-type: none"> Explore – Gantt chart, Success Criteria, KULA, Related technical language. 	
10	31 March - 4 April	<ul style="list-style-type: none"> Clarifying Unknowns – Mouse trap data Report – SC Development. Referencing. 	
School holidays: Friday April 4 - Sunday April 19			

Term 2

Week	Date	Topics	Assessment
1	21-25 April Easter Monday ANZAC Day: Friday	<ul style="list-style-type: none"> Ideation – Existing designs and concepts designs 	
2	28 April-2 May	<ul style="list-style-type: none"> Prototyping and Final Design - Build and modify 	
3	5-9 May Labour Day: Monday	<ul style="list-style-type: none"> Prototyping and Final Design - Build and modify Related technology - Logger Pro 	
4	12-16 May	<ul style="list-style-type: none"> Prototyping and Final Design – Build and modify 	Draft due
5	19-23 May	<ul style="list-style-type: none"> Prototyping and Final Design – Build and modify 	
6	26-30 May	<ul style="list-style-type: none"> Prototyping and Final Design – Build and modify 	
7	2-6 June GC25: Wednesday	<ul style="list-style-type: none"> Testing week 	Final Prototype Due
8	9-13 June GC25: Wednesday	<ul style="list-style-type: none"> Analysing, Evaluation and Recommendations 	
9	16-20 June	<ul style="list-style-type: none"> Analysing, Evaluation and Recommendations 	Project Folio Lesson 2
10	23-27 June	<ul style="list-style-type: none"> Exam Block 	
School holidays: Saturday June 28 - Sunday July 13			