

## Varsity College Year 10 Engineering – Semester 2, 2024

Week	Date	Topics	Assessment
1	8-12 July Athletics Carnival - Wed	<ul style="list-style-type: none"> <li>SI Units of measurement, Scalar/Vector Quantities, Newton's Laws</li> <li>Components of Forces, Resultant/Equilibrant</li> <li>Engineering fields</li> </ul>	Engineering fields Presentation
2	15-19 July	<ul style="list-style-type: none"> <li>Trigonometry – find a side</li> <li>Trigonometry – find an angle</li> </ul>	
3	22-26 July GC24 - Thursday	<ul style="list-style-type: none"> <li>Vector Problem solving – Analytical</li> </ul>	
4	29 Jul- 2 Aug	<ul style="list-style-type: none"> <li>Vector Problem solving – Problem solving</li> </ul>	
5	5-9 August	<ul style="list-style-type: none"> <li>Introduction to Engineering Materials</li> </ul>	
6	12-16 August GC24 Finals – Wed.	<ul style="list-style-type: none"> <li>Engineering Communication</li> <li>The Engineering Problem Solving Process</li> </ul>	
7	19-23 August	<ul style="list-style-type: none"> <li>Linear Motion</li> </ul>	
8	26-30 August	<ul style="list-style-type: none"> <li>Exam Revision</li> </ul>	
9	2-6 September	<ul style="list-style-type: none"> <li>Exam Revision</li> </ul>	Exam Lesson 3
10	9-13 September	<ul style="list-style-type: none"> <li>Project Introduction</li> <li>Project - Exploring the Problem</li> </ul>	
<b>School holidays: Saturday September 14 – Sunday September 29</b>			
1	30 Sept – 4 Oct	<ul style="list-style-type: none"> <li>Project – Exploring the Problem</li> <li>Project – Clarifying Unknowns: Material testing</li> </ul>	
2	7-11 October King's B'day PH - Monday	<ul style="list-style-type: none"> <li>Project – Developing Ideas: Design Ideation</li> </ul>	
3	14-18 October	<ul style="list-style-type: none"> <li>Project – Generating: Building/Prototyping/Testing</li> </ul>	
4	21 - 25 October	<ul style="list-style-type: none"> <li>Project – Generating: Building/Prototyping/Testing</li> </ul>	Folio Draft
5	28 Oct – 1 Nov	<ul style="list-style-type: none"> <li>Project – Evaluation: Analysis of Prototype Testing</li> </ul>	
6	4-8 November	<ul style="list-style-type: none"> <li>Project – Evaluation: Recommendations</li> </ul>	
7	11-15 November	<ul style="list-style-type: none"> <li>Project – Summary Report and final formatting</li> </ul>	Folio Due Lesson 1
8	18-22 November	<b>EXAM BLOCK</b>	
<b>School holidays: Saturday November 23 – Monday January 27</b>			