

## Varsity College Year 9 Engineering 2025

### Term 1

Week	Date	Topics	Assessment
1	27-31 January O-Week Australia Day: Monday	<ul style="list-style-type: none"> <li>Exploring the design problem – co2 introduction and Newton's Laws of Motion</li> </ul>	
2	3-7 February	<ul style="list-style-type: none"> <li>Exploring the design problem – drag, mass and friction</li> </ul>	
3	10-14 February Swimming Carnival: Tuesday	<ul style="list-style-type: none"> <li>Exploring the design problem – design envelope, Gantt chart, success criteria and materials investigation</li> </ul>	
4	17-21 February	<ul style="list-style-type: none"> <li>Develop ideas – existing designs, PMIs and sketching</li> </ul>	
5	24-28 February	<ul style="list-style-type: none"> <li>Develop ideas – existing designs, PMIs and sketching</li> </ul>	
6	3-7 March GC25: Wednesday	<ul style="list-style-type: none"> <li>Develop ideas – Solid Edge modelling (individual)</li> </ul>	
7	10-14 March NAPLAN	<ul style="list-style-type: none"> <li>Develop ideas – Solid Edge modelling (individual)</li> <li>Exam revision</li> </ul>	<b>Exam Lesson 3</b>
8	17-21 March	<ul style="list-style-type: none"> <li>Develop ideas – Solid Edge modelling (individual)</li> </ul>	
9	24-28 March	<ul style="list-style-type: none"> <li>Develop ideas – virtual prototyping (virtual wind tunnel) and redesign</li> </ul>	
10	31 March - 4 April	<ul style="list-style-type: none"> <li>Develop ideas – virtual prototyping (virtual wind tunnel), redesign and compare/contrast to partner's design</li> </ul>	
<b>School holidays: Friday April 4 - Sunday April 19</b>			

### Term 2

Week	Date	Topics	Assessment
1	21-25 April Easter Monday ANZAC Day: Friday	<ul style="list-style-type: none"> <li>Develop ideas – virtual prototyping (virtual wind tunnel) and compare/contrast to partner's design</li> </ul>	
2	28 April-2 May	<ul style="list-style-type: none"> <li>Generate – manufacture and assemble car</li> </ul>	
3	5-9 May Labour Day: Monday	<ul style="list-style-type: none"> <li>Generate – manufacture and assemble car</li> </ul>	
4	12-16 May	<ul style="list-style-type: none"> <li>Generate – prototyping (actual wind tunnel and smoke tunnel)</li> </ul>	
5	19-23 May	<ul style="list-style-type: none"> <li>Generate – working drawings, hypothesis and pre-testing calculations</li> </ul>	
6	26-30 May	<ul style="list-style-type: none"> <li>Generate – working drawings, hypothesis and pre-testing calculations</li> </ul>	<b>Draft</b>
7	2-6 June GC25: Wednesday	<ul style="list-style-type: none"> <li>Evaluation – analysis of final testing results</li> </ul>	
8	9-13 June GC25: Wednesday	<ul style="list-style-type: none"> <li>Evaluation – recommendations</li> </ul>	
9	16-20 June	<ul style="list-style-type: none"> <li>Refine assessment</li> </ul>	<b>Folio Due Lesson 3</b>
10	23-27 June	<ul style="list-style-type: none"> <li>Return results to students</li> </ul>	
<b>School holidays: Saturday June 28 - Sunday July 13</b>			