

Varsity College Year 9 Engineering – Semester 2, 2024

Week	Date	Topics	Assessment
1	8-12 July Athletics Carnival - Wed	<ul style="list-style-type: none"> Exploring the design problem – co2 introduction and Newton's Laws of Motion 	
2	15-19 July	<ul style="list-style-type: none"> Exploring the design problem – drag, mass and friction 	
3	22-26 July GC24 - Thursday	<ul style="list-style-type: none"> Exploring the design problem – design envelope, Gantt chart, success criteria and materials investigation 	
4	29 Jul- 2 Aug	<ul style="list-style-type: none"> Develop ideas – existing designs, PMIs and sketching 	
5	5-9 August	<ul style="list-style-type: none"> Develop ideas – existing designs, PMIs and sketching 	
6	12-16 August GC24 Finals – Wed.	<ul style="list-style-type: none"> Develop ideas – Solid Edge modelling (individual) 	
7	19-23 August	<ul style="list-style-type: none"> Develop ideas – Solid Edge modelling (individual) Exam revision 	Exam Lesson 3
8	26-30 August	<ul style="list-style-type: none"> Develop ideas – Solid Edge modelling (individual) 	
9	2-6 September	<ul style="list-style-type: none"> Develop ideas – virtual prototyping (virtual wind tunnel) and redesign 	
10	9-13 September	<ul style="list-style-type: none"> Develop ideas – virtual prototyping (virtual wind tunnel), redesign and compare/contrast to partner's design 	
School holidays: Saturday September 14 – Sunday September 29			
1	30 Sept – 4 Oct	<ul style="list-style-type: none"> Develop ideas – virtual prototyping (virtual wind tunnel) and compare/contrast to partner's design 	
2	7-11 October King's B'day PH - Monday	<ul style="list-style-type: none"> Generate – manufacture and assemble car 	
3	14-18 October	<ul style="list-style-type: none"> Generate – manufacture and assemble car 	
4	21 - 25 October	<ul style="list-style-type: none"> Generate – prototyping (actual wind tunnel and smoke tunnel) 	
5	28 Oct – 1 Nov	<ul style="list-style-type: none"> Generate – working drawings, hypothesis and pre-testing calculations 	Draft
6	4-8 November	<ul style="list-style-type: none"> Generate – working drawings, hypothesis and pre-testing calculations 	
7	11-15 November	<ul style="list-style-type: none"> Evaluation – analysis of final testing results 	
8	18-22 November	<ul style="list-style-type: none"> Evaluation – recommendations Refine assessment 	Folio Due Lesson 3
9	25-29 November	<ul style="list-style-type: none"> Return results to students 	
10	2-6 December	Alternative Program	
11	9-13 December	Supervision only week	
School holidays: Saturday December 14 – Tuesday January 28			