

Varsity College
Year 9 Engineering - Semester 1, 2023

Week	Date	Topics	Assessment
1	23-27 January Australia Day PH - Thurs	<ul style="list-style-type: none"> Exploring the design problem – co2 introduction and Newton's Laws of Motion 	
2	30 Jan – 3 Feb Swimming Carnival - Mon	<ul style="list-style-type: none"> Exploring the design problem – drag, mass and friction 	
3	6-10 February	<ul style="list-style-type: none"> Exploring the design problem – design envelope, Gantt chart, success criteria and materials investigation 	
4	13-17 February	<ul style="list-style-type: none"> Develop ideas – existing designs, PMIs and sketching 	
5	20-24 February	<ul style="list-style-type: none"> Develop ideas – existing designs, PMIs and sketching 	
6	27 Feb – 3 Mar	<ul style="list-style-type: none"> Develop ideas – Solid Edge modelling (individual) 	
7	6-10 March GIPSA - Wednesday	<ul style="list-style-type: none"> Develop ideas – Solid Edge modelling (individual) 	Exam
8	13-17 March NAPLAN 15-17 March	<ul style="list-style-type: none"> Develop ideas – Solid Edge modelling (individual) Exam Revision 	
9	20-24 March NAPLAN 20-22 March	<ul style="list-style-type: none"> Develop ideas – virtual prototyping (virtual wind tunnel) and redesign 	
10	27-31 March Cross Country - Thurs	<ul style="list-style-type: none"> Develop ideas – virtual prototyping (virtual wind tunnel), redesign and compare/contrast to partner's design 	SE file due Draft Folio
School Holidays: Saturday April 1 – Sunday April 16			
1	17-21 April	<ul style="list-style-type: none"> Develop ideas – virtual prototyping (virtual wind tunnel) and compare/contrast to partner's design 	
2	24-28 April ANZAC Day PH - Tues	<ul style="list-style-type: none"> Generate – manufacture and assemble car 	
3	1-5 May Labour Day PH - Monday GIPSA - Wednesday	<ul style="list-style-type: none"> Generate – manufacture and assemble car 	
4	8-12 May	<ul style="list-style-type: none"> Generate – prototyping (actual wind tunnel and smoke tunnel) 	
5	15-19 May GIPSA - Wednesday	<ul style="list-style-type: none"> Generate – working drawings, hypothesis and pre-testing calculations 	
6	22-26 May GIPSA - Wednesday	<ul style="list-style-type: none"> Evaluation – analysis of final testing results 	
7	29 May – 2 June	<ul style="list-style-type: none"> Evaluation – recommendations 	
8	5-9 June GIPSA - Wednesday	<ul style="list-style-type: none"> Refine assessment 	Folio Due
9	12-16 June	<ul style="list-style-type: none"> Results returned to students 	
10	19-23 June	<ul style="list-style-type: none"> Extension task – tower project 	
School Holidays: Saturday June 24 – Sunday July 9			