Varsity College
Year 9 Engineering – Semester 1, 2024

Week	Date	Topics	Assessment
1	**22-26 January** O-Week Australia Day PH Fri	• Exploring the design problem – co2 introduction and Newton's Laws of Motion	
2	**29 Jan-2 Feb**	• Exploring the design problem – drag, mass and friction	
3	**5-9 February** Swimming Carnival - Thurs	• Exploring the design problem – design envelope, Gantt chart, success criteria and materials investigation	
4	**12-16 February**	• Develop ideas – existing designs, PMIs and sketching	
5	**19-23 February**	• Develop ideas – existing designs, PMIs and sketching	
6	**26 Feb-1 Mar** GC24 - Wednesday	• Develop ideas – Solid Edge modelling (individual)	
7	**4-8 March**	• Develop ideas – Solid Edge modelling (individual)	**Exam Lesson 3**
8	**11-15 March** NAPLAN	• Develop ideas – Solid Edge modelling (individual) • Exam revision	
9	**18-22 March** NAPLAN GC24 - Thursday	• Develop ideas – virtual prototyping (virtual wind tunnel) and redesign	
10	**25-29 March** Good Friday PH	• Develop ideas – virtual prototyping (virtual wind tunnel), redesign and compare/contrast to partner's design	
	School holidays: Friday March 29 - Sunday April 14		
1	**15-19 April** Cross Country - Wed	• Develop ideas – virtual prototyping (virtual wind tunnel) and compare/contrast to partner's design	
2	**22-26 April** GC24 - Tuesday Anzac Day PH - Thurs	• Generate – manufacture and assemble car	
3	**29 Apr-3 May**	• Generate – manufacture and assemble car	
4	**6-10 May** Labour Day PH - Mon	• Generate – prototyping (actual wind tunnel and smoke tunnel)	
5	**13-17 May**	• Generate – working drawings, hypothesis and pre-testing calculations	Draft
6	**20-24 May**	• Evaluation – analysis of final testing results	
7	**27-31 May**	• Evaluation – recommendations	
8	**3-7 June**	• Refine assessment	**Project Lesson 3**
9	**10-14 June** GC24 - Wednesday	• Results returned to students	
10	**17-21 June** Athletics Carnival - Thurs	• Extension task – tower project	
	School holidays: Saturday June 22 - Sunday July 7		