

Varsity College Year 8 Design & Technologies 2025

Term 1

Week	Date	Topics	Assessment
1	27-31 January O-Week Australia Day: Monday	Unit 1: HYDRAULIC CRANE ARM <ul style="list-style-type: none"> • O-Week activities • General class induction • Training Modules 	
2	3-7 February	<ul style="list-style-type: none"> • EXPLORE THE SOLUTION • Introduction to Hydraulic Crane Arm • Analyse Client Brief & Task • Project Management – Gantt Chart • Explore Design Process and hydraulics vs pneumatics • Analyse Pascals Principles 	
3	10-14 February Swimming Carnival: Tuesday	<ul style="list-style-type: none"> • Develop Success Criteria for the Explore the problem process. • Analyse Hydraulics as motion and force multiplier. • Analyse Pascals principle. • Explore Knowns, Unknowns and Limitations of the task. 	
4	17-21 February	<ul style="list-style-type: none"> • DEVELOP THE SOLUTION • Analyse positive, negative and improvements to existing designs. • Investigate material to be used. • Develop annotated design sketches. 	
5	24-28 February	<ul style="list-style-type: none"> • GENERATE THE SOLUTION -Manufacturing Prototype • ITD Workshop Safety Induction. • Hot glue gun skills and procedures. • Portable drill skills and procedures. • Develop a prototype for a practical solution. • Infer how a prototype will solve a practical solution. 	Draft Due
6	3-7 March GC25: Wednesday	<ul style="list-style-type: none"> • Rate the success criteria out of 5. • Evaluate prototype through practical testing. 	
7	10-14 March	<ul style="list-style-type: none"> • EVALUATING THE SOLUTION: • Evaluate a prototype using success criteria ratings. • Recommendations and refinements - Describe successes, failures and improvements of the test. • Submission of Project and Digital Documentation Folio – Turnitin 	Hydraulic Crane Arm Folio Due Lesson 3
8	17-21 March	Unit 2: PENCIL CASE <ul style="list-style-type: none"> • Introduction to Pencil Box • Workplace Health and Safety • Ongoing online training modules 	
9	24-28 March	<ul style="list-style-type: none"> • Measure and Mark timber 	

		<ul style="list-style-type: none"> • Cutting skills and procedures 	
10	31 March - 4 April	<ul style="list-style-type: none"> • Disc sanding skills and procedures • Hand sanding skills and procedures • Assembling skills and procedures 	
School holidays: Friday April 4 - Sunday April 19			

Term 2

Week	Date	Topics	Assessment
1	21-25 April Easter Monday ANZAC Day: Friday	<ul style="list-style-type: none"> • Constructing base • Nailing and gluing base to frame 	
2	28 April-2 May	<ul style="list-style-type: none"> • Counter sinking nails and filling with putty • Constructing handle and lid • Hand sanding • Oiling 	
3	5-9 May Labour Day: Monday	<ul style="list-style-type: none"> • Generate PMIs • Generate annotations for PowerPoint Generate PMIs • Generate annotations for PowerPoint 	Draft Due
4	12-16 May	<ul style="list-style-type: none"> • Submission of Practical Project and Digital Documentation Folio. 	Pencil Case Folio Due Lesson 3
5	19-23 May	Unit 3: COTTAGE <ul style="list-style-type: none"> • Introduce ArchiCAD • Install Software • Set story settings and draw external walls 	
6	26-30 May	<ul style="list-style-type: none"> • Internal walls • Slab • Doors and Windows 	
7	2-6 June GC25: Wednesday	<ul style="list-style-type: none"> • Ceiling • Roof 	
8	9-13 June GC25: Wednesday	<ul style="list-style-type: none"> • Furniture • Texture • Renders 	
9	16-20 June	<ul style="list-style-type: none"> • Floor Plan • Elevations and Sections • Finalise Assessment 	Draft Due
10	23-27 June	<ul style="list-style-type: none"> • Submission of Digital Documentation Folio - Turnitin 	ArchiCAD Folio Due Lesson 1
School holidays: Saturday June 28 - Sunday July 13			