

## Varsity College Year 7 Design and Technology – Semester 2, 2024

Week	Date	Topics	Assessment
1	8-12 July Athletics Carnival - Wed	<ul style="list-style-type: none"> <li>General class induction</li> <li>Design process and hydraulics vs pneumatics</li> <li>Hydraulics as a motion and force multiplier</li> </ul>	
2	15-19 July	<ul style="list-style-type: none"> <li>Material investigation</li> <li>Evaluation of existing designs</li> <li>Developing Ideas – sketching and refining</li> </ul>	
3	22-26 July GC24 - Thursday	<ul style="list-style-type: none"> <li>Producing products – manufacturing prototypes</li> </ul>	
4	29 Jul- 2 Aug	<ul style="list-style-type: none"> <li>Producing products – manufacturing prototypes</li> </ul>	
5	5-9 August	<ul style="list-style-type: none"> <li>Producing products – manufacturing prototypes</li> </ul>	Draft Due
6	12-16 August GC24 Finals – Wed.	<ul style="list-style-type: none"> <li>Producing products – refining prototypes</li> <li>Final product testing and analysis of results</li> </ul>	<b>Hydraulic Arm Folio Due Lesson 3</b>
7	19-23 August	<ul style="list-style-type: none"> <li>Pencil Box</li> <li>OnGuard online training modules</li> <li>Material Preparation</li> <li>Practical demonstrations (tenon saw, Battery drill and disc sander)</li> </ul>	
8	26-30 August	<ul style="list-style-type: none"> <li>Joinery techniques</li> <li>Assemble pencil box frame</li> <li>Organise photos in PowerPoint template</li> </ul>	
9	2-6 September	<ul style="list-style-type: none"> <li>Measure, cut and shape base and lid</li> <li>Sand/belt sand and disc sand</li> <li>Attach base with adhesive and fasteners</li> <li>Update PowerPoint template</li> </ul>	
10	9-13 September	<ul style="list-style-type: none"> <li>Fit lid and handle</li> <li>Update PowerPoint with photos and industry descriptions</li> </ul>	
<b>School holidays: Saturday September 14 – Sunday September 29</b>			
1	30 Sept – 4 Oct	<ul style="list-style-type: none"> <li>Hand sand using appropriate grits</li> <li>Apply suitable wipe-on finish</li> <li>Update photos and PowerPoint</li> </ul>	
2	7-11 October King's B'day PH - Monday	<ul style="list-style-type: none"> <li>Generate PMIs</li> <li>Generate annotations for PowerPoint</li> </ul>	<b>Draft</b>
3	14-18 October	<ul style="list-style-type: none"> <li>Finalise assessment</li> </ul>	<b>Pencil Box Due Lesson 3</b>
4	21 - 25 October	<ul style="list-style-type: none"> <li>Introduce ArchiCAD</li> <li>Install Software</li> <li>Set story settings and draw external walls</li> </ul>	
5	28 Oct – 1 Nov	<ul style="list-style-type: none"> <li>Internal walls</li> <li>Doors</li> <li>Windows</li> </ul>	
6	4-8 November	<ul style="list-style-type: none"> <li>Roof</li> <li>Ceiling</li> <li>Furniture and textures</li> </ul>	
7	11-15 November	<ul style="list-style-type: none"> <li>Furniture</li> <li>Textures</li> <li>Renders</li> </ul>	
8	18-22 November	<ul style="list-style-type: none"> <li>Floor plan</li> <li>Elevations</li> <li>Sections</li> </ul>	<b>Draft</b>
9	25-29 November	<ul style="list-style-type: none"> <li>PowerPoint</li> </ul>	<b>ArchiCAD Due Lesson 2</b>
10	2-6 December	<b>Alternative Program</b>	
11	9-13 December	<b>Supervision only week</b>	
<b>School holidays: Saturday December 14 – Tuesday January 28</b>			