

## Varsity College Year 7 Design and Technology – Semester 1, 2024

Week	Date	Topics	Assessment
1	22-26 January O-Week Australia Day PH Fri	<ul style="list-style-type: none"> <li>O-Week activities</li> <li>General class induction</li> <li>Design process and hydraulics vs pneumatics</li> </ul>	
2	29 Jan-2 Feb	<ul style="list-style-type: none"> <li>Project Management – Gantt Chart</li> <li>Pascal's Principle</li> <li>Hydraulics as a motion and force multiplier</li> <li>Material investigation</li> </ul>	
3	5-9 February Swimming Carnival - Thurs	<ul style="list-style-type: none"> <li>Evaluation of existing designs</li> <li>Developing Ideas – sketching and refining</li> </ul>	
4	12-16 February	<ul style="list-style-type: none"> <li>Producing products – manufacturing prototypes</li> </ul>	
5	19-23 February	<ul style="list-style-type: none"> <li>Producing products – manufacturing prototypes</li> </ul>	
6	26 Feb-1 Mar GC24 - Wednesday	<ul style="list-style-type: none"> <li>Producing products – manufacturing prototypes</li> </ul>	Draft Due
7	4-8 March	<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>
8	11-15 March NAPLAN	<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>	
9	18-22 March NAPLAN GC24 - Thursday	<ul style="list-style-type: none"> <li>Joinery techniques</li> <li>Assemble pencil box frame</li> <li>Organise photos in PowerPoint template</li> </ul>	
10	25-29 March Y7 Team Day - Wed, Thurs Good Friday PH	<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>	
<b>School holidays: Friday March 29 - Sunday April 14</b>			
1	15-19 April Cross Country - Wed	<ul style="list-style-type: none"> <li>Fit lid and handle</li> <li>Update PowerPoint with photos and industry descriptions</li> </ul>	
2	22-26 April GC24 - Tuesday Anzac Day PH - Thurs	<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>	
3	29 Apr-3 May	<ul style="list-style-type: none"> <li>Generate PMIs</li> <li>Generate annotations for PowerPoint</li> </ul>	Draft Due
4	6-10 May Labour Day PH - Mon	<ul style="list-style-type: none"> <li>Finalise assessment</li> </ul>	<b>Pencil Box Due Lesson 3</b>
5	13-17 May	<ul style="list-style-type: none"> <li>Introduce ArchiCAD</li> <li>Install Software</li> <li>Set story settings and draw external walls</li> </ul>	
6	20-24 May	<ul style="list-style-type: none"> <li>Internal walls</li> <li>Doors and Windows</li> </ul>	
7	27-31 May	<ul style="list-style-type: none"> <li>Roof</li> <li>Ceiling</li> </ul>	
8	3-7 June	<ul style="list-style-type: none"> <li>Furniture</li> <li>Textures</li> <li>Renders</li> </ul>	
9	10-14 June GC24 - Wednesday	<ul style="list-style-type: none"> <li>Floor plan</li> <li>Elevations and Sections</li> </ul>	Draft Due
10	17-21 June Athletics Carnival - Thurs	<ul style="list-style-type: none"> <li>PowerPoint</li> </ul>	<b>ArchiCAD Due Lesson 3</b>
<b>School holidays: Saturday June 22 - Sunday July 7</b>			