Semester 2			
Week	Unit	Learning Focus	Victorian Curriculum Sub Strands
1	Cabinet Making: Wood	Introduce the project to the class, provide a completed example of the Cabinet as well as the individual components. Identify the variety of timber that is available and discuss the reasons for selecting certain timber for specific purposes e.g. strength, density, colour, stability. Demonstrate cupping, bows, twists and other defects. Demonstrate techniques used to overcome these problems. List an outline of the folio requirements and discuss the expected standard. Identify project requirements, address the design situation and develop a personalised design brief. Title page. Cabinet designs. Discuss factors that affect quality design – form and function. Discuss industry terms e.g. Nominal, DAR. Begin developing a glossary of terminology.	STRAND Technologies and Society Examine and prioritise competing factors including social, ethical economic and sustainability considerations in the development of technologies and designed solutions to meet community needs for preferred futures.
2-3		Demonstrate the correct method of setting out and cutting a mortice and tenon joint. Students make a practice joint Demonstrate the safe use of a morticing machine and identify the advantages and disadvantages when compared to hand cut joints. Begin initial design sketches by hand. Complete an orthogonal drawing, of a standard design. Ensure the use of an accurate scale, dimension lines and titles.	STRAND Technologies and Society Investigate the ways in which designed solutions evolve locally, nationally, regionally and globally through the creativity, innovation and enterprise of individuals and groups.

4		Provide students with timber for selection. Set out and cut timber to length. Discuss identifying and marking face side and edge. Demonstrate correct use of tenon saw for cross cutting. Finalise design and justify the selection. Complete an orthogonal drawing to scale, with dimensions.	STRAND Creating Designed Solutions Generating Generate, develop and test design ideas, plans and processes using appropriate technical terms and technologies
5		Disassemble a plane and discuss each part and function. Then demonstrate the correct setup and adjustment of the plane. Gauge timber to correct width and plane. Complete a cutting list.	STRAND Technologies Contexts Materials and technologies specialisations Analyse ways to create designed solutions through selecting and combining characteristics and properties of materials, systems, components, tools and equipment
6-9		Mark out mortice joints on frame and begin cutting. Ensure the use of: marking gauge, morticing hook and correct chisels. Costing and project timeline	STRAND Creating Designed Solutions Producing Effectively and safely use a broad range of materials, components, tools, equipment and techniques to produce designed solutions
		Finish mortice joints before marking out the tenons to fit each mortice individually. Discussion on the mechanical strength of various joining methods e.g. mortice and tenon, dowel, biscuit, screw.	STRAND Creating Designed Solutions Producing Effectively and safely use a broad range of materials, components, tools, equipment and techniques to produce designed solutions
		Demonstrate how to accurately saw the tenons. Cutting the cheeks first then the shoulders. Cut the tenons following the correct method and pare with a chisel to fit.	STRAND Creating Designed Solutions Producing Effectively and safely use a broad range of materials, components, tools, equipment and techniques to produce designed solutions
10		Dry fit the frame then once joints fit accurately, glue and clamp. Check the frame is square and flat. Work Method Statement	STRAND Creating Designed Solutions Producing Effectively and safely use a broad range of materials, components, tools, equipment and techniques to produce designed solutions

11-18		Cut, attach or shape any design modifications according the project drawings.	STRAND Creating Designed Solutions Producing Effectively and safely use a broad range of materials, components, tools, equipment and techniques to produce designed solutions
		Plane and sand frame to shape ensuring the face and back is flat and square. Safe Operating Procedure for the router.	STRAND Creating Designed Solutions Producing Effectively and safely use a broad range of materials, components, tools, equipment and techniques to produce designed solutions
		Router a rebate in the back of the frame to encase the mirror. Router the edges according to project design. Demonstrate and complete 3D model of the mirror using Google SketchUp.	STRAND Creating Designed Solutions Producing Effectively and safely use a broad range of materials, components, tools, equipment and techniques to produce designed solutions
		Final sanding and finishing of the frame. Apply oil to finish. Class discussion and investigation into alternative method of finishing and protecting timber.	STRAND Technologies and Society Investigate the ways in which designed solutions evolve locally, nationally, regionally and globally through the creativity, innovation and enterprise of individuals and groups.
		Demonstrate various fitting and assembly techniques. In-class research assessment on deforestation and sustainable logging. Discuss deforestation, sustainable logging and the effects of these on the economic and ecological environment.	STRAND Creating Designed Solutions Evaluating Independently develop criteria for success to evaluate design ideas, processes and solutions and their sustainability
19		Students complete assembly process. Self-evaluation of the finished project	STRAND Creating Designed Solutions Evaluating Independently develop criteria for success to evaluate design ideas, processes and solutions and their sustainability
20		Cabinet and Project Folio is submitted for marking.	STRAND Creating Designed Solutions Evaluating Independently develop criteria for success to evaluate design ideas, processes and solutions and their sustainability