Date:		20/5/24	Subject:	FURNISHINGS	Topic:	LED LAMP BASE		
Year Level:		9	Lesson/s	P1	Room:	W01		
Curricu characte and equi solutions Learnin and safe	ilum d ristics ipment (AC9 ⁻ ig goa	escriptor: Analy and properties of can be combined DE10K06) I/s: identifying ap edures for each p	yse and make materials, sys I to create des opropriate tool process and e	and make judgements on how erials, systems, components, tools reate designed priate tools, equipment, techniques ess and evaluating production		Materials/Resources: Sample Bases, Shape Diagram. Hand tools. Success Criteria: Students mark, cut drill and start gluing their base.		
Processe Project	es for a	on Name:	safety and effi	AMP	Lesson Duration:		70 mins	
Time (mins)	me Headings/ ns) Teaching strategy			Content	Resources and ICT Adju for i d		Adjustments for needs of diverse learners	
0.25	Orientation	SET EXPECTATION	S base.	nue cutting LED Lamp				
0.5		LESSON OUTLINE	This le base a	esson: Cut LED Lamp and prep for assembling.				
0.25	+	CHECK FOR UNDERSTAND	NG Recap	expectations and n outline.				
8	2. Body	WHAT DOES SUCCESS LOO LIKE? TODAYS QUESTION: Describe the s you would nee take to ensure tight, precise joints that requ little or no adhesive or fasteners.	K EXPEC - Cc - Ma - St RECAI - Or teps d to - Ac - Cc - Ma - Or - Cc - Ma - Cr - Co - Co	CTATIONS: portinue to cut joints. ark out and drill base. art Assembly. P: InGuard for soldering iron needs be completed. (Confirm udents have access). crylic file can be uploaded in beams assignment. (Thankyou athy, Tayha, Emily & Cooper) onfirm Students understand mage creation process) Insure these are on students otops. Adobe Illustrator. Teams. Email. If you have trouble – go to IT in the library and sort it out. arking out hole for switch. aping and gluing timbers gether. Tre saws. Ill press. mple joints and bases.	Laptop, A workbook Joints.	ssessment . Sample	Ensure all students can see and hear demonstration. Dimensioned drawings on the whiteboard. Models, Plans and templates made available. Assist DJ & Today's question on whiteboard.	
1	3. Ending	RECAP. LINK N LESSON. QUOTE OF THE DAY.	EXT Recap comp THE C PEOP FEAR PEOP	o expectations VS lete. Next lesson - finish GREATEST PRISON PLE LIVE IN, IS THE COF WHAT OTHER PLE THINK.				

High Order questions:

• What factors did you consider when selecting the specific polygon shape for your lamp base? Explain your design choices.

- How does the number of sides in your chosen polygon impact the difficulty of creating precise mitred, dovetail, or pin joints?
- If you needed to adjust the dimensions of your base to accommodate different acrylic sheet sizes, what geometric calculations would you need to perform?
- Imagine you wanted to incorporate an additional material, like metal or glass, into your lamp design. How might you need to modify the joinery techniques for the base?
- From a structural standpoint, which joinery method (mitres, dovetails, or pins) do you think will produce the strongest and most durable base? Support your reasoning.
- If you needed to mass-produce these lamp bases, what manufacturing considerations would you need to account for regarding materials, joinery, and assembly?
- How might you test the load-bearing capabilities of the different joinery options before final assembly to ensure the lamp base can support the weighted acrylic top?
- Describe the steps you would need to take to ensure tight, precise joints that require little or no adhesive or fasteners.
- If you wanted to create a curved or compound angle base, how would you need to adjust your layout and cutting procedures?
- From a design perspective, how do the joinery options impact the aesthetic look and feel of the finished lamp base?

Reflection/ Supervisors Comments: