## Year 9 Curriculum sequencing 2025 – 256

Mr Symeou

Subject	Year	Term	Lesson	Topics	Subject Learning Checklist	H/W
Design & Technology	Year 9	Term 1	1	Introduction to the subject. Highlight the importance of DT in careers. H&S in the workshop tasks	About the projects, what D&T is, in school and careers. Show the workshop, identify machinery and H&S issues	Images for design ideas
		One lesson a fortnight	2	Novelty Door Wedge project. Introduce and highlight the marking criteria. Design ideas to be completed and a final design to be decided on.	Students are to understand how grades are awarded throughout this project. They also learn how to sketch out ideas using graphical techniques.	Coping Saw w/s & Final Design (if not finish)
			3	Students should complete the design work, including final design. Issue students the material and begin the marking out process on the pine wood. (Use the template to check if correct) They can also to draw their f design on the piece of MDF	Students learn how to measure and mark out on materials and how to begin cutting and shaping material Students learn how to use certain machine and tools safely and correctly.	
			4	Students are to begin the practical tasks. Introduce and demo the use of coping & scroll saws and the disc sander. Also show how they are to cut out the joint on the pine wood, using saws and files.	Students learn how to use certain machine and tools safely and correctly. In the process, they discover the technique of cutting and shaping wood whilst also producing a wood joint.	Pillar drill and sander w/s
			5	Continuation of practical tasks. Highlight the importance of smoothing the wood to a high finish, using files and sandpaper. Pine components (door wedge) to be glued.	Students learn the importance of finishing their wood to a high standard (QC). Students continue to use certain machine and tools safely and correctly. Ext: Students can apply a white paint to their mdf component, if completed well.	
			6	Students should be completing the majority of the practical tasks. Demonstrate how to paint sensibly. Ext: Isometric drawing	Students learn how to paint sensibly and how to tidy up afterwards while students continue using certain machine and tools safely and correctly	Career in DT research task
			7	Evaluation of the practical outcome. Students can apply graphics to their product through the use of fine liner and felt tip pens if required. Ext: Production plan	Students discover the importance of reflecting on their work. Also, a chance to complete any outstanding work before submitting booklets for marking	
			8	Baseline Assessment	Students are tested to determine what ability they are current showing.	Natural Woods w/s

9 Term 2	<ul> <li>Introduction to the project: Calendar project.</li> <li>Highlight the marking criteria and marking policy.</li> <li>Introduce the design situation, issue design task.</li> <li>Discuss the factors involved while students undertake the task analysis. Ext: Begin design ideas.</li> <li>Remind students on drawing techniques and how to</li> </ul>	Students learn how to response to a design situation and create a brief. This is followed up by undertaking a Task Analysis to help consider the factors involved in the project. Students can begin designing their ideas for their product once the above tasks are completed. Students have the opportunity to show their	Design ideas or final design mood board
10	annotate ideas. Design ideas to be completed and final design started on. Ext: Material Properties task Issue students the wood and introduce the	creativeness while improving their drawing ability. Students are to gain more experience working with	
11	necessary equipment (try squares, rulers) and demonstrate how they should mark out on the material. Teacher checks if undertaken correctly while students complete their final designs. Remind students how to produce an isometric drawing for extension task: Final design in isometric.	woods and how to apply the measurements accurately using the appropriate equipment. They are to learn how to produce an isometric drawing, learning the technique in creating such a 3D drawing.	Manufactured Woods
12	Ensure all students have their wood measurements done with final design included on the material. Introduce lettering styles task, students should choose a style that reflects their theme for the lettering and numbers. Introduce the QC and QA topic. Ext: Identify the tools	Students learn the importance of graphics when applied to lettering styles/fonts. How they can covey a message, reflect a theme and basically make a statement or just to pop out (eye catching). Students also learn the importance of QC and QA when manufacturing products, so to appreciate	
13	<ul> <li>Health and Safety factors and expectations revisited before entering the workshop. Teacher</li> <li>demonstrates how to cut the material using the appropriate tools and equipment. Monitor students undertaking practical tasks before showing a second demonstration so to understand the process of making the product in small steps.</li> </ul>	Students are to remember the safety rules when working in the workshop. Teacher demonstrates how to cut wooden components safety, using a vice, bench hook and Tenon saw.	Sources of Woods and sustainability
Term 3	Continue practical tasks. Reminder of using the coping saw carefully while also reminders of H&S rules. Discuss QC and how this can be applied to certain making tasks.	Reminder of H&S issues. Demo gluing, filing and smoothing (sandpaper) wooden components. Highlight QC for particular tasks in the production of their product.	
15	Continue making the product including the cutting and shaping of the components (month and date pieces). Reminder of QC before demonstrating painting techniques and protocol. Ext: Plan of making exercise.	Reminder of H&S issues. Demo correct process of painting I.E. Light colours first, clean brushes, protecting tables. Small amount on the brush etc	Symbols and Equipment

16	Continue practical tasks. Reminders of QC and painting correctly with the possible inclusion of	Show example of how colour is applied via paints, but details and outline should be done using felt tips or	
	using felt tip and fine liner pens, if required. Ext: Plan of making and/or Isometric drawing tasks.	fine liners. Emphasise the importance of a quality finish and how importance it is.	
17	Last lesson to completed any making in the workshop. Ensure products a smoothed well before application of any paint. Ext: Plan of Making and Isometric drawing tasks	Students are to experience making a functional product, finished to the best of their abilities. They learn how to ensure a product is well finished including the application of graphics using certain techniques.	Revise for test
18	Products should be evaluation whist the teacher grades their outcomes. Production plan exercise to be completed. And any other exercise if outstanding. Ext: Environmental task	Students are to evaluate their work. Also, they are to explain the steps undertaken in the production plan showing an understanding of the manufacturing process.	
19	If the booklet has been completed, students can undertake the design movements task where students should redesign their calendar product in the style of a design movement i.e. Memphis, Gothic, Art Nouveau.	Students are to display their creative skills while learning about design movements.	