

Year 7: SOL Gift in the Box	<p>This project is designed to give Year 7 students an introduction into designing and manufacturing 3D products using traditional workshop tools and equipment. Context: Some basic skills will be taught as most students do not have the opportunities to study D&T in Primary school. Students will be taught a range of skills in this project, from the use of traditional workshop tools and equipment. All skills taught are applicable to GCSE and therefore are preparing students for their GCSE's. Students will be reflecting and evaluating on their making. Allowing students to make improvements where appropriate and improve in future projects. As well as the skills that will prepare students for GCSE, they will be building on their ability to work independently. Pupils will design a standard wooden box but will have the opportunity to design the shape of the lid and the design of a gift. Students will need to consider how their design needs to be manufactured.</p> <p>Design Brief: We have been approached by the manager of Cliffe Castle museum, they are looking for a new product to stock in their shop. They have asked you to design and make a simple wooden box and a gift to fit inside. This will be aimed at the various visitors they have to the museum. You will need to decide on which customers you want to target and then decide on an appropriate gift that they would like.</p> <p>Gaining a basic understanding:</p> <ul style="list-style-type: none"> • How to design and manufacture a product. • How we can use design strategies to produce ideas. • How to work safely in a workshop environment. • The importance of ensuring that work is completed to a high quality. • The material properties of Plywood. 														
	Number of lessons in sequence	13	Number of marking points	1	Linked to LTP		Knowledge Organiser		Homework tasks		Assessment fit for purpose	X			
Lesson Number	Objectives / Outcomes						Fully resourced	Unlocking Vocab	Homework	Formative	Summative	Feed forward	Edge Links	Challenging Texts	Extended Writing
1	Design Brief and Health and safety, To gain knowledge and understanding of the project, and the expectations of the workshop.						X								
2	Oblique Projection, To demonstrate how to apply oblique projection to the project, by drawing a 3D box and a range of cuts styles with wood finishing.						X	articulate							
3	Manufacture the wider two sides, To ensure accuracy with measuring and demonstrating H&S when cutting the two pieces.						X						Career: Carpenter		
4	Manufacture the thinner two sides, To ensure accuracy with measuring and demonstrating H&S when cutting the two pieces.						X						Big Picture		
5	Specification and assembly of box To gain knowledge of a specification and apply it to the requirements of the project.						X	specification							
6	Manufacturing sanding and assembly of lids, The ability to apply the specification to the final finish of the box.						X			X					

Lesson Number	Objectives / Outcomes	Fully resourced	Unlocking Vocab	Homework	Formative	Summative	Feed forward	Edge Links	Challenging Texts	Extended Writing
7	Final Design: To ability to apply the specification and the knowledge of the box manufacturing to a final design.									
8	Cutting and Sanding, To demonstrate the knowledge of finishing and producing a product to commercial standard.									
9	Staining and finishing of box, To demonstrate the knowledge of finishing and producing a product to commercial standard.									
10	<i>This lesson is left blank to address the needs / gaps of the class.</i>						X			
11	<i>This lesson is left to produce a gift for the box.</i>									
12	Assessment & Evaluation					X				X
13	To address any misconceptions from DCP2						X			