

Year 7 – Pine Picture Frame (mitre joint or halving jointed)

Lesson	Lesson content/Activity	Differentiation	Resources	Homework
1 hand tools (1.073) knives/ scissors (1.011) sandpaper (1.073) woodworking dust (1.071)	Starter: Observe the differences between different picture frames. Read the design brief. Analyse existing picture frames. Their colour/joints/materials etc. General workshop safety rules. Demo completed options and use of tools Demo marking out lengths. -- Practical work (FPT) – measure/cut pine to appropriate lengths and mark with their names. (use of a tenon saw). Emphasise safe working practise and tool organisation. Work holding. -- Check each other 's work for accuracy. Plenary: Check a random sample of the students work for #marking accuracy and measuring.	Word bank for product analysis. Sentence starters to begin meaningful sentences. Practical demonstration prepared and assisted where necessary. Additional work holding jigs and clamps available to suit individual needs.	Pine strips with rebate. 2mm clear acrylic. Re-sealable bags for storage. PVA. Bench Hooks. Mitre Blocks. Set square. Steel Rule Clamps / jigs. Cleaning equipment for students to clear away their sawdust from their own workbenches etc.	
2 hand tools (1.073)	Starter: Mind map of possible themes for their picture frames. Designing – complete 4 different design ideas	Provide a partly completed mind map and an example of previous	For demo – paint, stain, wax. Scraps of plastic and	Complete their final design drawing with annotation

knives/ scissors (1.011) sandpaper (1.073) woodworking dust (1.071)	in the spaces provided. Annotate the designs to explain them. Focussed practical task. Assembly of the main parts. Demonstrate the assembly of the main structure. -- Choose their design for their homework. -- Make templates if necessary. -- Practical work Demo/safety - sanding block for finishing. Demo/safety - coping saw and how to hold small parts. Demo finishing options.	students work. Provide templates for the basic shape of the frame to embellish for the designing. Show examples of existing work for inspiration.	wood offcuts for embellishing the designs. Sanding blocks and sandpaper.	
3 hand tools (1.073) knives/ scissors (1.011) sandpaper (1.073) woodworking dust (1.071) pva (1.009)	Starter: How to use a coping saw to cut a shape. Focussed Practical Task Draw a template to draw around and make it from a small piece of MDF. Use sandpaper as necessary to smooth it over and improve the finish. Plenary Q and A – Who found using a coping saw hard? Share each others work and say a positive thing about it.	Emphasis the correct key words and terminology for tools and processes. Identify and assist students with the practical aspects of the work. Classroom to be clearly labelled to encourage independence.	Coping saw blades. Sandpaper.	Research the origins of wood and wood based materials.
4	Starter	Emphasis the correct key	Exemplar work showing a	

hand tools (1.073) knives/scissors (1.011) sandpaper (1.073) woodworking dust (1.071) pva (1.009)	Demonstrate the use of a rebate in a picture frame and other joints. Complete their final design that was set for homework. Practical task Cut and glue the MDF strips to form the rebate section of the picture frames. Plenary – Throughout the lesson check the rebates for comprehension.	words and terminology for tools and processes. Identify and assist students with the practical aspects of the work. Classroom to be clearly labelled to encourage independence.	range of inspirational methods of construction and finishing. Glue Paint Sandpaper Coping Saw Blades Aprons	
5 hand tools (1.073) knives/scissors (1.011) sandpaper (1.073) woodworking dust (1.071) pva (1.009)	Starter. Demonstrate finishing of the Pine using sandpaper correctly. Main: Finishing of the picture frame using sandpaper and adding a colour to the pine using water based wood dye. Plenary: Assess their packing away.	Emphasis the correct key words and terminology for tools and processes. Identify and assist students with the practical aspects of the work. Classroom to be clearly labelled to encourage independence.	Exemplar work showing a range of inspirational methods of construction and finishing. Glue Paint Sandpaper Coping Saw Blades Aprons	Complete a production plan to show understanding of the making process.
6 hand tools (1.073) knives/scissors (1.011) sandpaper	Starter: Put all of their picture frames in grade order (by themselves). Say a positive thing about their own picture frame and something they are going to work on in the lesson.	Emphasis the correct key words and terminology for tools and processes. Identify and assist students with the practical aspects of the	Exemplar work showing a range of inspirational methods of construction and finishing. Glue Paint	

(1.073) woodworking dust (1.071) pva (1.009)	Main: Complete the building and construction of their picture frames.	work. Classroom to be clearly labelled to encourage independence.	Sandpaper Coping Saw Blades Aprons	
7	Starter: Put all of their picture frames in grade order (by themselves). Ask how the frames could be improved? Suggest they add a rear support for desktop use. Demonstrate the addition of polystyrene sheet as a front to the frame. Main: Complete the building and construction of their picture frames. Add the clear fronts.	Emphasis the correct key words and terminology for tools and processes. Identify and assist students with the practical aspects of the work. Classroom to be clearly labelled to encourage independence.	Exemplar work showing a range of inspirational methods of construction and finishing. Glue Paint Sandpaper Coping Saw Blades Aprons	
8 Painting (4.012)	Final finishing of the frames. Adding paint and extra embellishments they have thought of. Encourage students to experiment with advanced joining techniques such as dowel joints and finger joints.	Spills to be explained. Painting materials and process to be clearly modelled.	Dye Paint Scrap paper Paint brushes.	
9	Starter: Show a star diagram and ask them to analyse the final project. Main: Written project analysis and suggestions for a re-design.	Modelling of different methods of construction. Advance and accurate joints as well as simple but effective. Encourage failure and repetition to improve skill levels.		

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