

Curriculum Plan

Y10 (Mid size) Edexcel Design & Technology - Mini Stool Project

		W/C 2 nd November	W/C 9 th November	W/C 16 th November
How you will access home learning		The PowerPoints and lesson materials will be available in your Y10 group on Microsoft Teams (Y10 Mid-size Product Design). You will also need to access the digital revision guide, G:\Technology\New D&T Digital Textbook and NEA delivery guide		
How you be able to interact with your teacher and gain feedback on your work		You will be able to join each lesson via Microsoft Teams. This will enable you to listen to teacher delivery, to ask questions, and to complete the same tasks live, as those who are working in the lesson. You can join in with questioning in the lesson using the chat function to check your understanding.		
Retrieval How we will help you to recall previously learnt knowledge		Answer the following questions: What is the warp and weft of a woven fabric? How is a non-woven fabric made? Which property does a knitted fabric have that a woven and non-woven fabric don't?	Answer the following questions: What does it mean to season and process wood cut for timber? How can you visually tell hardwoods and softwoods apart? Why are hardwoods more expensive than softwoods?	Answer the following questions: Why is Beech used to make toys? Why is Cedar used to make items like sheds and boats? What is meant by the term Man Made Board?
New Learning	What you will be learning about this week	Theory 1.12: Woods Stool project: working drawings, research, anthropometric data, theory on woods	Theory 1.12: Woods Cut timber, make frame, join frame, make seat top, complete working diary	Brazing Mark out & cut metal work, drill holes, brazing demonstration
	How we will teach you the new knowledge or ideas	PowerPoint content and teacher led explanations to support you in producing; revision materials based on your theory work, research based on anthropometric data and accurate working drawings.	PowerPoint content and teacher led explanations to support you in producing; revision materials based on your theory work. Teacher modelling of how to accurately produce the woodwork section of your practical task.	Teacher led explanations/ modelling to support you in producing the metalwork section of your practical task.
	Activities that will help you learn and practice what you've been taught	Completion of revision materials based on woods along with producing research based on anthropometric data along with working drawings ready to start manufacturing your stool.	Completion of revision materials based on woods along with; marking out, cutting, sanding, drilling and assembling the wood work section of your stool.	Completion of; marking out, cutting, filing drilling and assembling the metal work section of your stool.
	What you can do if you are stuck	Join the live lesson on MS Teams. Use BBC Bitesize Revision, www.technologystudent.com , Focus eLearning on the school homepage under the Links tab or access the digital revision guide, G:\Technology\New D&T Digital Textbook and NEA delivery guide		

		W/C 23 rd November	W/C 30 th November	W/C 7 th December	W/C 14 th December
How you will access home learning		The PowerPoints and lesson materials will be available in your Y10 group on Microsoft Teams (Y10 Mid-size Product Design). You will also need to access the digital revision guide, G:\Technology\New D&T Digital Textbook and NEA delivery guide			
How you be able to interact with your teacher and gain feedback on your work		You will be able to join each lesson via Microsoft Teams. This will enable you to listen to teacher delivery, to ask questions, and to complete the same tasks live, as those who are working in the lesson. You can join in with questioning in the lesson using the chat function to check your understanding.			
Retrieval How we will help you to recall previously learnt knowledge		Answer the following questions: <ul style="list-style-type: none"> What is the definition of a veneer? What is the difference between a hard material, and a tough material? What makes plywood so strong? 	Answer the following questions: <ul style="list-style-type: none"> What main reason is there for applying a finish to MDF? What does FSC stand for? What is the role of an FSC managed forest? 	Answer the following questions: <ul style="list-style-type: none"> What is the difference between a Ferrous and Non-Ferrous metal? List as many different methods for joining metals together, both mechanical and permanent. Why is it important to apply a finish to metals? 	Answer the following questions: <ul style="list-style-type: none"> What is the difference between brazing and welding? What saw should you use for cutting metal? What finishes can be applied to metals?
New Learning	What you will be learning about this week	Brazing Complete brazing, complete diary of making	Theory 1.8 metals Dip coat demonstration, start dip coating, learn metal theory, diary of making	Completion of stool Finish dip coat, assemble & complete stool, finish diary of making	Sketching & Evaluation Evaluate stool, practice sketching skills
	How we will teach you the new knowledge or ideas	Teacher led explanations/ modelling to support you in producing the metalwork section of your practical task.	PowerPoint content and teacher led explanations to support you in producing; revision materials based on your theory work. Teacher modelling of how to dip coat your metal work.	Teacher led explanations/ modelling to support you in producing; revision materials based on your theory work. Teacher modelling of how to dip coat your metal work.	PowerPoint content and teacher led explanations to support you in producing a final evaluation, against a specification for your stool, along with sketching techniques to aid you in drawing in 3D.
	Activities that will help you learn and practice what you've been taught	Completion of; marking out, cutting, filing drilling and assembling the metal work section of your stool.	Completion of revision materials based on metals along with dip coating your completed metal work.	Dip coating your completed metal work and then attaching it to the woodwork section of your stool.	Producing 3D sketches using the crating method along with completing an evaluation based on your stool project.
	What you can do if you are stuck	Join the live lesson on MS Teams. Use BBC Bitesize Revision, www.technologystudent.com , Focus eLearning on the school homepage under the Links tab or access the digital revision guide, G:\Technology\New D&T Digital Textbook and NEA delivery guide			

