

Topic/ Content	Week	Objectives/Skills	Homework	Assessment	Success Criteria (for E/S/D at KS3)	Stretch & Challenge (Thirst for Learning)
Designing and Making Principles Graphic Communication 3.3.5	1	<ul style="list-style-type: none"> To learn how to develop freehand sketching 	There will be a homework booklet that students will complete over the half term period. Each week the homework task will directly mirror the skills taught in class but with a slight variation/extension in the task.	Self and peer assessments in lessons against success criteria	Examples of “What good looks like” will be used as visual success criteria. Written success criteria will also be displayed within bands marks out of 10. <ul style="list-style-type: none"> Excellent 8 – 10 Secure 5 – 7 Developing 1-4 Excellent: Students are able to demonstrate the graphic communication techniques taught with precision . Secure: Students are starting to demonstrate the graphic communication techniques taught with some accuracy . Developing: Graphic communication lacks accuracy but evidence of understanding is visible.	As much practise as possible at home. Student can take grid paper from school to support.
	2	<ul style="list-style-type: none"> To learn how to render materials and add tone 				
	3	<ul style="list-style-type: none"> To learn how to draw in isometric 				
	4	<ul style="list-style-type: none"> To learn how to use the crating technique to draw basic 3d shapes 				
	5	<ul style="list-style-type: none"> To learn how to use the crating technique to draw 3d objects/products 				
	6	<ul style="list-style-type: none"> To learn how to draw using the perspective technique (one point perspective) 				
	7	<ul style="list-style-type: none"> Graphic communication skills test 				

Topic/ Content	Week	Objectives/Skills	Homework Flipped learning homework booklet on materials, finishes and joining methods.	Assessment	Success Criteria (for E/S/D at KS3)	Stretch & Challenge (Thirst for Learning)
<p>Designing and Making Principles Design Eras</p> <p>The work of others</p> <p>3.3.3</p>	1	<ul style="list-style-type: none"> To learn about the Art Deco design era and its key features 	Materials - Timbers	<p>Students will be assessed at the end of the project with a design page that demonstrates the skills taught and knowledge from the flipped learning homeworks.</p>	<p>Excellent:</p> <ul style="list-style-type: none"> All aspects of ACCESS FM used to annotate design ideas in depth In depth detail of knowledge of materials and finishes Drawings and annotations communicated neatly and with details of Sizes Drawings of how the product might be manufactured using the help sheet Inclusion of drawing skills from the previous project Excellent use of KEYWORDS <p>SECURE</p> <ul style="list-style-type: none"> All aspects of ACCESS FM used to annotate design ideas Some details of knowledge of materials and finishes Drawings communicated neatly Drawings of how the product might be manufactured using the help sheet Good use of KEYWORDS <p>Developing</p> <ul style="list-style-type: none"> Some aspects of ACCESS FM used to annotate design ideas Limited details of knowledge of materials and finishes Drawings NOT communicated neatly No details of how the product might be manufactured Limited use of KEYWORD 	<p>Students can research and design products for the following design eras:</p> <ul style="list-style-type: none"> Bauhaus De Stijl Memphis
	2	<ul style="list-style-type: none"> To learn about ACCESS FM 	Materials - Metals			
	3	<ul style="list-style-type: none"> To learn how to use ACCESS FM to analyse Art Deco products 	Materials - Plastics			
	4	<ul style="list-style-type: none"> To learn how to produce design ideas for contemporary products in the style of Art Deco 	Joining methods			
	5	<ul style="list-style-type: none"> To learn how to develop your design idea 	Finishes and timber stock forms			
	6	<ul style="list-style-type: none"> Assessment: Complete a final design idea fully annotated using ACCESS FM 				

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Week 1 Brief and task analysis DMP3.3.1	To learn how to use a design brief to complete a task analysis	<p>Student will complete a flipped learning homework booklet containing the following topics:</p> <p>Homework topics</p> <p>CTP 3.1.3 Developments in new Materials</p> <p>CTP 3.1.4 Systems approach to designing</p> <p>CTP 3.1.6 Material Categories</p> <p>STP 3.2.8 specialist techniques and processes</p> <ol style="list-style-type: none"> 1. Flipped learning papers and boards 2. Flipped learning Plastics 3. Flipped learning Composites 4. Flipped learning Smart materials 5. Flipped learning modern materials 6. Design Ideas 7. Vacuum forming mould 	Excellent 8-10 marks Secure 5-7 marks Developing 1-5 marks	<p>Excellent</p> <ul style="list-style-type: none"> • Working consistently between grades 8 – 10 in lessons • Creative design not copied • Outstanding presentation of design work with full use of grids and guide to communicate work • All aspects of the specification fully met <p>Secure</p> <ul style="list-style-type: none"> • Working consistently between grades 5 – 7 in lessons • Produced a design not copied but lacking creativity • Good presentation of design work <ul style="list-style-type: none"> • All aspects of the specification fully met <p>Developing</p> <ul style="list-style-type: none"> • Working consistently between grades 1 – 4 in lessons • Copied design idea • Poor presentation of design work <p>Most aspects of the specification fully met</p>	<p>Use the GCSE BBC bitesize link to revise, watch the activities and complete the tests for the following topics:</p> <ul style="list-style-type: none"> • Graphics- papers and boards • Electronics – Inputs, outputs and processes • Resistant Materials • Social, moral and environmental issues <p>http://www.bbc.co.uk/schools/gcsebitesize/design/</p>
Week 2 Materials CTP 3.1.6 Papers and boards	To learn about the different paper and board categories and their uses.				
Week 3 Materials CTP3.1.6 Plastics	To learn about the different plastics categories and their uses.				
Week 4 Designing DMP 3.3.5	To learn how to produce design ideas for the mini-light against a design specification				
Week 5 Electronic Systems CTP 3.1.4	To learn about inputs, processes and outputs				
Week 6 Designing DMP 3.3.5	To learn how to develop design ideas for the packaging against a design specification				
Week 7 Vacuum Forming STP 3.2.8	To learn about the vacuum forming process				
Week 8 Manufacturing DMP 3.3.6	To learn how to make a working prototype of the mini-light				
Week 9 Ecological and social footprint PAPER STP 3.2.3	To learn about the environmental impact of using papers and boards <ul style="list-style-type: none"> • Life cycle and deforestation • 6Rs 				
Week 10 Ecological and social footprint PLASTICS STP 3.2.3	To learn about the environmental impact of using plastics <ul style="list-style-type: none"> • Life cycle and deforestation • 6Rs 				
Week 11 Testing and Evaluation	To learn how to test and evaluate the product				

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Week 1 Brief and task analysis DMP3.3.1	To learn how to use tools and equipment to mark out and cut using a try square and Tenon saw.	<p>Student will complete a Diary of making each week using notes and sketches to explain how they created their product.</p> <p>There will also be a mixture of questions related to the lesson and flipped learning tasks.</p> <p>A homework booklet has been completed to support students.</p>	<p>Excellent 8-10 marks Secure 5-7 marks Developing 1-5 marks</p> <p>Final completed product will be marked out of 10.</p> <p>A success criteria grid will be shown to students and demonstrated in lessons so that they know 'What good looks like'.</p>	<p>Excellent</p> <ul style="list-style-type: none"> • Joint marked out and cut with a high level of precision. • All edges and corners are smooth and slightly rounded. • Final finish has been applied with a high level of precision. <p>Secure</p> <ul style="list-style-type: none"> • Joint marked out and cut with some accuracy. • Most edges and corners are smooth and slightly rounded. • Final finish has been applied with some accuracy. <p>Developing</p> <ul style="list-style-type: none"> • Joint marked out and little or no accuracy. • Edges and corners are not smooth or slightly rounded. • Final finish has been applied without accuracy (too much applied). 	<p>Use the GCSE BBC bitesize link to revise, watch the activities and complete the tests for the following topics:</p> <ul style="list-style-type: none"> • Find out about further tools equipment and processes for wood working <p>http://www.bbc.co.uk/school/gcsebitesize/design/</p>
Week 2 DMP	To learn how to mark out a cross halving joint using a marking gauge.				
Week 3 DMP	To learn how to cut a cross having joint using a chisel and Tenon saw.				
Week 4 DMP	To learn shape and join materials together in order to achieve a flush joint				
Week 5 DMP	To learn join materials together using PVA wood adhesive and achieve a high quality finish.				
Week 6 DMP	To learn how to apply a wax final finish coat.				