

SUBJECT: Design Studies

KS3 CURRICULUM PLAN

KS1 and 2 Knowledge and Key skills	YEAR 7	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
	TOPIC	Workshop Safety	Workshop Safety	Coat Hook	Coat Hook	Stationery Holder	Stationery Holder
	Knowledge	Students will be introduced to workshop safety and the safe use of machines and hand tools.	Students will be introduced to workshop safety and the safe use of machines and hand tools.	Students will develop skills required to design and make a coat hook influenced by a designer/artist.	Students will develop skills required to design and make a coat hook influenced by a designer/artist.	Students will use skills and knowledge gained to develop design ideas and make a wooden/acrylic stationery holder	Students will use skills and knowledge gained to develop design ideas and make a wooden/acrylic stationery holder
	Skills	Measuring and marking out using workshop equipment to improve accuracy.	Measuring and marking out using workshop equipment to improve accuracy.	Develop an understanding of the design process.	Develop an understanding of the design process.	Develop skills of research to produce a detailed specification that fulfils a brief and be able to evaluate a product against this.	Develop skills of research to produce a detailed specification that fulfils a brief and be able to evaluate a product against this.
	Key Vocab	Construct, function, material, millimetre, hazard, control measures	Construct, function, material, millimetre, hazard, control measures	Influence,aesthetics, anthropomorphism	Product,specification, refine,realise	Function,form,	Accuracy,review,opaque, properties
	YEAR 8	SUMMER 2	SUMMER 1	SPRING 2	SPRING 1	AUTUMN 2	AUTUMN 1
	TOPIC	Electric-Lighting Project	Electric-Lighting Project	Electric-Lighting Project	Electric-Lighting Project	Electric-Lighting Project	Electric-Lighting Project
	Knowledge	Students will be introduced to electronics and different 2D/ 3D drawing techniques. They will be able to identify and understand what a brief is and be able to respond to a set brief .	Students follow the design process to produce design ideas for making a product	Students study aesthetics in response to the brief/ theme set by their teacher	Students will be introduced to electronics and different 2D/ 3D drawing techniques. They will be able to identify and understand what a brief is and be able to respond to a set brief .	Students follow the design process to produce design ideas for making a product	Students study aesthetics in response to the brief/ theme set by their teacher.
	Skills	2D drawing techniques , 3D drawing skills	Students develop their making skills to produce a electricnic light and work towards manufacturing a light design.	Analytical skills related to form and function ,what is the relationship between the two?	Drawing for different purposes. Understanding the ideas of developing ideas,creating,plans and recording from different viewpoints	Students develop their making skills to produce a electricnic light and work towards manufacturing a light design.	Analytical skills related to form and function. Analysis of components and materials fit for purpose.
	Key Vocab	Shape,colour,hue,form,isometric.	Sequential,manufacture.	Aesthetics,proportion,balance, scale.	Electronics,resistor,capacitor.	Fabrication,feedback,testing, realising, refining.	Form,function.
	YEAR 9	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
	TOPIC						
	Knowledge	Students will be introduced to different 2D and 3D drawing techniques. They will be able to identify and understand what a brief is and be able to respond to a set brief .	Students follow the design process to produce design ideas for making a product	Students study aesthetics in response to the brief/ theme set by their teacher	Students will be introduced to different 2D and 3D drawing techniques. They will be able to identify and understand what a brief is and be able to respond to a set brief .	Students follow the design process to produce design ideas for making a product	Students study aesthetics in response to the brief/ theme set by their teacher
	Skills	2D drawing techniques , 3D drawing skills. Potential to use CAD/CAM	Students develop their making skills to produce a lap joint and work towards assembling a frame	Students complete their frame in response to the brief, using appropriate methods to ensure they realise their intentions, making decisions that match their aesthetic and functional intentions.	2D drawing techniques , 3D drawing skills. Potential to use CAD/CAM	Students develop their making skills to produce a lap joint and work towards assembling a frame. Using appropriate joining methods,ensuring they are fit for purpose	Students complete their frame in response to the brief. Using analytical skills to evaluate the outcome against the intention.
	Key Vocab	Brief,CAD,CAM,response.	Lap joint,assemble.	Appropriate, intention, functional,aesthetic.	Render,isometric,plan, perspective.	Review,refine,joining,fit for purpose.	Evaluate,review,reflect.

Key Knowledge Transfer