() ()	6.09	13.09	20.09	27.09	4.10	11.10	18.10	1.11	8.11	15.11	22.11	29.11	6.12	13.12	4.01	10.01	17.01	24.01	31.01	7.02	14.02	28.02	7.03	14.03	21.03	28.03	4.04	25.04	3.05	9.05	16.05	23.05	6.06	13.06	20.06	27.06	4.07		
19 Sa	WEEKI	WEEK 2	YIO MO	OCK NEA & DESI	GN CONSIDER	RATIONS	WEEK 7	WEEK 8	WEEK 9	VEEK IU YI	0 MOCK NEA &	COMMUNICATI	NG DESIGN IDEA	WEEK 14	WEEK IS	WEEK IG	WEEK 17	WEEK 18	WEEK 19	Y10 MOCK NEA	& MANUFACTURIN	NG PROCESSES	& TECHNIQUE	WEEK 24	WEEK 25	WEEK 26	WEEK 27	Y10 MOCK	NEA, MATERIAL	& MANUFACT	URING CONSIL	DERATIONS	Week 33	Y10 EXPLO	RING THE NEA	CONTEXTS	Week 37		
Year 10					Primary user	Environmenta		Developing	Materials and	Standard						Introduction to	Marking out,						Conversion of	Smart.	Past and present	Industry									Design brief.	Analysis of existing			
	Introduction to course	Primary user & wider	Exploring existing	Ergonomics &	requirements	s location for	Stock forms	ideas	processes used to make	off the shelf	Costing	Structural integrity	Impact of design	Assessment		manufacturin g	minimising waste	Jigs, templates	Wasting processes	Addition	Deforming/ N reforming	Manipulating and joining	stock materials into	modern and composite	professionals leading in	use of digital design to	Assessment	Feedback	Initiate CAD	Disruptive technologies	Product life cycles	Product	Introduction of NEA	Exploring the contexts	identification of pimary	products			
	content and assessment	stakeholders	solutions related to Y10	anthropometr ics	Sketching and	use on material	Developing	CAD/CAM in the	models	parts and stock forms	Iterative	Iterative	solutions on user lifestyles	New and emerging	Feedback and PRT	Material	Unit costs.	and patterns	Manufacturin	Manufacturin	processes	materials	components	materials	application of new materials	explore and develop ideas	Finalse manufacturin	CAD	challenge	CAD	Virtual	Virtual	contexts	Mood boards	user and wider	Primary product	Feedback & PRT		
	processes	project	context		modelling approaches	selection	Ideas	production of prototypes	Digital tools	Iterative	modelling	modelling	Final solution	technologies		properties	quantities, weights and	g g	g	g	g g	g g	Manufacturin g	Manufacturin g	Manufacturin	Manufacturin	g	challenge	CAD tutoriais	challenge	modelling	modelling	Mindmapping	Examination	stakholders	analysis			
	Dupils will known					Initial Ideas			Dupils will know	modelling						and uses	sizes								9	g									Examination				
	that products n	nust meet user	and stakeholder	requirements to	o be successful	t:			that a range of	practical and dig	igital techniques	can be used to	make iterative m	nodels;				Pupils will know: • how to select suitable manufacturing tools, equipment and processed for their specialist materia										Pupils will know:	: e used to aid the	design process	· ·		Pupils will know • about product	w: .ct life cycles and product evolution;					
	Pupils will be ab	Auplis will be able to: identify primary users and stakeholders for a range of products, services and systems Produce an iterative model;												ige of factors.				that the use of jigs, formers, patterns and templates increase accuracy.     Pupils will be able to:										about product life cycles and evolution.      Punils will be able to:					how to explore and select an NEA design context.     Pupils will be able to:     initiate the Series and the series of the						
	investigate a de     use a range visu	, sign context ual communicat	tion methods to	present design i	ideas				<ul> <li>identify and de</li> <li>discuss factors</li> </ul>	scribe new and affecting materi	emerging techr ial and technolo	ologies and mat gy use and selec	erials; tion;	ials; on;				use a sense solutione manufacturing tools, equipment and processed for their specialist materials area;     use a range of tools, equipment and processes safely and accurately;     use formers, noticities and themplote interplate interpl						area;				<ul> <li>use CAD to produce a virtual model;</li> <li>to state the advantages and disadvantages of CAD;</li> </ul>					minate the Explore section of their NEA project,     produce a detailed mind map;     write a design brief.						
	produce a rang     categorise mate	e of design idea erials based on t	ign ideas which meet the requirements of the primary user ised on their properties and end uses and suitability for use at various s					ion	explain now to increase structural integrity through reinforceme identify and discuss the influence of past and present designer				ent and triangulation. and professionals on the development of produ			ucts.		<ul> <li>manufacture a</li> </ul>	a quality finished	d product.							<ul> <li>describe the lifecycle and evolution of a product;.</li> </ul>		ct;.		analyse a range of existing products.								
VII EXPLORING THE NEA CONTEXTS & TECHNICAL AND DESIGN CONSIDERATIONS VII THE ITERATIVE DESIGN PROCESS & MANUFACTURIN Design brief &										ING PROCESSES AND TECHNIQUES YII THE I					TIVE DESIGN P	ROCESS & MAN	UFACTURING P	ROCESSES AND TI					Unit 7 rovision	11 MANUFACT	IRING, TESTING & EVALUATION			T T			REVISION		-						
	i	identification of primary		Analysis of	Primary user		Technical	PUN/ Primary	Focus on	1 Focus on	Focus on		Additivo	Forming/	Finishing	Joining and	Use of jigs, formers,		Scale of	Industrial manufacturin	manufacturin n	in manufacturin	Init 1 revision	Unit 1 rovicio	- 11-10.2	- Material	Material	Unit 4	Unit 4	Unit E rovicion	Unit 5				1 /				
	Introduction	user and wider	Stakeholder survey	survey results	Inputs	Materials research &	research	User Needs	primary material	primary	secondary material type,	Wasting	processes	reforming processes	processes and finishes	manipulation of materials	templates and patterns	Tolerance	Final idea	g processes	Manufacturin N	Manufacturin	- Design	- Design	- Communicati	Finalise	Feasibility	Technical	revision	Manufacturin	revision - Manufacturin				1 /				
	content and assessment	stakeholders	Integration of	Mechanical devices and	processes and outputs in	d components	Ergonomics & anthropometr	r specification	types, properties	properties and uses	and uses	Initial ideas	Iterative modelling &	Iterative	Iterative	Iterative	to achieve accuracy	Finalise development	Initiate	Final idea	g specification	g specification	s	s	ng Ideas	manufacturin g	testing	g	Understandin g	g Consideration	g Consideration	Revision	Revision	Revision	Revision & examination				
	processes	Research plan	into products	control	simple and complex	components	ics recap	Structural	and uses	Initial ideas	Initial ideas	review	development of ideas	development	development	development	Finalise	section	manufacturin g of final	manufacturin	Manufacturin M	Manufacturin	Manufacturin g	Manufacturin g	Manufacturin g	Plan	Evaluation against PUN/	Evaluation and I	- Finalise NEA	Finalise NEA	Final NEA				1 /				
Year 11		product			products			integrity	initial ideas		review			orideas	orideas	orideas	modelling		prototype	prototype	g of final prototype	g of final prototype				feasibility testing	Primary user needs	modifications			deadine				1 /				
		research				-			Pupils will know	c						Pupils will know	I v: accuracy when	manufacturing	to tolerance:					Pupils will know	v:								Pupils will know	w					
	Pupils will know:	Il know:  Il know:  wement can be achieved through mechanical devices and electronic components:  how to work with a range of mate:							erials based on t naterials in the w	heir source, prop orkshop.	erties and end u	JSES;		about scale of production and industrial production methods.      Dupit will be able to:								that all produce     that all produce	<ul> <li>that all products need to be tested to determine feasibility</li> <li>that all products need to be evaluated to determine viability.</li> </ul>								how to finalise     deadline:	their NEA portfr	olio for the						
	<ul> <li>how explore the Pupils will be ab</li> </ul>	slore their chosen context by producing range of research. ill be able to: ill be able to:							irce, properties a	ind end uses;			<ul> <li>produce a high quality, final prototype based on their iterative achieve accuracy when manufacturing to tolerance;</li> </ul>			on their iterative r rance:	ve models and developments; F				-upins will be able to: - test their final design to determine feasibility; - evaluate their final design to determine visibility;								<ul> <li>how to revise</li> <li>Pupils will be a</li> </ul>	vise for their examination. be able to:									
	- use their research to write a list of criteria (PUN) for their product; product a range of listative models based on their initial ideas; use their design criteria to develop a range of initial ideas; use a range of listative models based on their initial ideas;										select appropriate materials, tools, equipment and processes when manufacturing a final prototype;     identify a suitable of production and industrial production methods for a range of products;     identify a suitable of production and industrial production methods for a range of products;							ie manufacturing of their final prototype; aluate their prototype in collaboration with their primary user and other stakeholders:							complete and hande in their NEA portfolio     the deadline;     sit their final A Logs														
	test and evaluate the strengths and weaknesses of their prototypes.										/pes.			explain how to manufacture a range of product using industrial				il production methods.				· suggest possible modifications to their product based on fer				eedback.					sit their final A Level examinations.		ons.						
		YI2 UNIT 5 - MATERIALS & FOCUSSED PRACTICAL TASK 1 YI2 UNIT 5 - MODERN MATERIALS & FOCUSSED PRACTICAL TASK 2 YI2 UNIT 1, 4 & 3 - STAKEP												ETHODS & WIDE	ER ISSUES IN D	ILITY , COMMUI ST	NICATION	Y12 UNIT 6 & 3 STRUCTURAL INTEGRITY, THE WIDER ISSUES AND THE BUILT F				ENVIRONMENT			Y12 UNIT 2, 4 AND 7 - EXISTING PRACTICE, COMMUNICATIO				S, MANUFACTUR	ING METHODS & INITIATION OF THE NEA									
		Intro to the A													Unit 1.3 Usability.	7.1 Iterative modelling				Unit 3.1 Environmenta						Unit 2.2 The	Uni2 2.2 New	Product life							1				
		Level course				Unit 5.4		Unit 5.6	Unit 5.6				Unit 1.2	Unit 4.1	ergonomics and	4.2 Industry	Assessment		Unit 6.1	l issues,	Unit 3.6 Energy and	Unit 3.2 DFM, TOM.				work of past and present	technological developments	including	4.3 Approaches	Unit 7.4 Scale		7.3 Polymer			1				
	Introduction to course	Unit 5.1 Classification	Unit 5.2 Timbers and	Unit 5.3 Polymers	Unit 5.3 Biopolymers	Metals	Unit 5.5 Textiles	Composite materials	Modern materials	Unit 5.6 Smart materials	Assessment	Feedback	Stakeholder analysis	Communicati on Methods	anthropometr ics	professional communicati	Finalisation of	Feedback	Structural	economy and Life Cycle	environmenta l incentives &	planning and scale of	Assessment	Feedback		designers	Feasibility	Design brief	to design thinking	of production	7.3 Polymer forming	forming	Examination	Examination	Feedback	Hand in			
Voor 12	content and assessment	and properties of	Doards	Focussed	Focussed	of focussed	Initiate	Ecoursed	Focussed	Focussed	Focused practical task	of focused	Usability	Design ideas	Unit 3.6 Maths in D&T	on	usability project - CAD	usability	Initiate built	Assessment	directives	production	assembly of	manufacturin g of building	Level coursewo	studies and	markability	and identification	Research plan	Inspiration and	Drimony	Stakeholder	Materials	Technical research	Design	for	Feedback		
Product Design &	processes	Initiate	practical task	practical task	practical task		practical task	practical task	practical task 2	2	2	2	design criteria	and annotation	Development	Finalisation of usability	and iterative modelling	and iterative modelling	envirnment project	Initial ideas for building -	manufacture of building	Assembly of building	prototype	prototype	ining mapping	Existing	Existing	of stakeholders	chart for project	influences research	research	surveys and interviews	research			lassessment			
Graphics		focussed practical task					_	-							of design ideas using	project - CAD and iterative				CAD and hand	using CAD	prototype				practice research	practice research	Existing	management						1				
													Dupile will know		CAD	modelling				rendering	Dupik will	lknowr						research							L		4		
	Pupils will know:	Jupils will know:         Pupils will know:              • how to explore a design context and identify the new             • how to classify materials:              • how to classify materials:              • how to use a range of design communication techn												he needs and wants of the stakeholders; techniques and strategies. About the role of past and present designers and professionals in the development of the stakeholders and the role of past and present designers and professionals in the development of the stakeholders are stated as the role of past and present designers and professionals in the development of the stakeholders are stated as the role of past and present designers and professionals in the development of the stakeholders are stated as the role of past and present designers and professionals in the development of the stated as the role of past and present designers and professionals in the development of the stated as the role of past and present designers and professionals in the development of the stated as the role of past and present designers and professionals in the development of the stated as the role of past and present designers and professionals in the development of the stated as the role of past and present designers and professionals in the development of the stated as the role of past and present designers and professionals in the development of the role of past and present designers and professionals in the development of the role of past and present designers and professionals in the development of the role of past and present designers and professionals in the development of the role of past and present designers and professionals in the development of the role of the role of past and present designers and professionals in the development of the role of the ro						prent; Pupils will know: • that different products are manufactured at di				different scales of production;															
	about the properties of materials.     • present a range of initial ideas for about the properties of materials.     • present a range of initial ideas for • that retrieve modeling is an im Puplis will be able to:       • manufacture a timber based wooden toy.     • use a range of physical and virtu • use a range of physical and virtu									present a range of initial ideas for the development of their chosen product. that iterative modelling is an important part of the design process;					. products, technologies and materials. Pupils will be able to:					- about a range of commercial polymer manufa Pupils will be able to:				cturing processes.															
										ual iterative mo	ve modelling strategies;				context for their NEA coursework project and assess the feasibility context in collaboration with their stakeholders.				compete an er	nd of year examir	range of desigr nation.	criteria for their NEA project;																	
	Y12 UNIT 2&	V12 UNIT 286 - EXISTING PRACTICE & TECHNICAL UNDERSTANDING - FOCUSSED PRACTICAL TASK 1 V12 UNIT 286 MATERIAL CONSIDERATION & TECHNICAL UNDERSTANDING - DESIGN CHALLENCE TASK												Y12 UNI	T 1,4,6&7 STAKE	HOLDER REQU	IREMENTS, USA	BILITY, COMMU	INICATION METHO	ODS, TECHNICA	L UNDERSTAN	DING & MANUF	ACTURING PRO	CESSES		Y12 UNIT 2, 4 AND 7 - EXISTING PRACTICE, COMMUNICATI			TION METHODS, MANUFACTURING METHODS &				F THE NEA						
Vear 12								Unit 5.1 classification	Unit 5.2	Unit 5.2	Unit 5.2 Regenerated		Unit 5.2			Unit 4.1	Unit 4.2 Industry	Unit 4.3	Unit 11		Unit 1.3 Usability,							Unit 2.1	Unit 2.2 New	Product life				)					
		Intro to the A- Level course	Unit 6.2 Printing					and properties of	Natural Fibres with a focus	Synthetic	fibres	Unit 5.2 Yarns	Knitted & woven	Assessment	Feedback	Graphic communicati	professional communicati	Approaches to design	Exploring	Unit 1.2 Stakeholder	ergonomics and	Unit 7.1 Iterative	Unit 7.2 Final prototypes	Unit 7.3 Commercial	Assessment	Feedback		Analysis and tevaluation of	technological developments	including	Unit 7.3 Industrial	Unit 7.3			1				
	Introduction to course	Unit 6.1	Unit 2.3 Past	Unit 6.1 Fastenings	Unit 6.2 printing	Unit 6.2 printing	Unit 6.1 Decorative	materials	on wooi	Unit 6.1	Unit 6.1 Constructiona	Unit 6.2	construction	Unit 6.2	Unit 6.2 Mechanical	on	on	thinking	Initiate	analysis	anthropometr ics	models	Industrial	product	Complete	Complete	Level	products	Feasibility	Design brief	dyeing & printing	processes	Scales of	Quality	Examination	Examination	Hand in		
	content and assessment	components	& Present developments	Focussed	Focussed	Focussed	Eccussed	fashioned	Reduction of	Reduction of fullness	l understandin	Design	Unit 6.2 Dyeing	Design	Completion	Digital	Digital	Digital	focussed practical task	finishes	Unit 7.1	Pockets	techniques	Seams	assembly of focussed	manufacturin g of focussed	project	studies and	markability	and identification	Research plan	Inspiration	Primary	Stakeholder	Materials	Technical research	for		
	processes	Initiate focussed	Focussed	practical task	practical task	c practical task	practical task	Initiate	Design	Design	g	challenge	Design	challenge	of design	Initiate	g	Focussed	2	Focussed practical task	models	Focussed practical task	Focussed practical task	Focussed	practical task 2	practical task 2	Mind	Existing	Existing	of stakeholders	chart for project	influences	research	interviews	research		assessment		
Textiles		practical task	practical task					design challenge	challenge task	challenge task	Design challenge		challenge task		task	focussed practical task	Focussed practical task	practical task 2	Product analysis	2	Focussed practical task	2	2	2				practice research	practice research	Existing	management			)					
								task Pupils will know	6		LdSK						2				2									research					L		1		
	Pupils will know:													upils will know: how to use CAD to produce a finished design for the focussed practical task;							Pupils will kno				ow: It products are manufactured at different scales of production:														
	- about existing practice and products in fashion and textiles. Pupils will be able to: - about textiles and products in fashion and textiles. - about textiles and products and product									how to explore a design context     how to use a range of design co     Publis will be able to:					ontext and identify the needs and wants of the stakeholders; sign communication techniques and strategies.				- about a range Pupils will be				e of commercial textiles manufacturing processes. able to:																
	manufacture a bag based on a fashion and textiles designer,     produce samples of a variety of techniques in textiles.     be able to:         be able to conduce a range of design ideas using 2D and 3D sketching and modelling;         be able to conduce a range of ideas which meet a design in the													use a range of     produce a range	physical and vir ge of samples to	tual iterative mo	delling strategie anufacturing in	es; the focussed pr	actical task and the	eir NEA.		• Use their rese • compete an (				earch to compile a range of design criteria for their NEA project; , end of year examination.													
	De able to use my knowledge of material properties to discriminate between them in     be able to use my knowledge of material properties to discriminate between them in											em in relation to Y13 UNIT 7 &	their end use.	AL MANUFACTU	RING PROCESS	ES , FINISHES AND THE ITERATIVE DESIGN			Y13 UNIT 8 & 9 - VIABILITY, HEALTH & SAFETY AND MANUF			FACTURING FOR THE NEA Y13 U			13 UNIT 3 - MATHS IN D&T AND COMPLETION OF MANUFACTURING, TEST			ESTING &		Y13 REVISION			<b></b>						
Year 13 D&T		4.3		Unit 7.2						IN PROCESS			7.3	7.3	7.3	PROCESS				TIS ONT C	Unit 8.2							EVALUA	ATION										
		Approaches to design	Unit 7.2	wasting materials	11-14 77 2	Unit 7.2 Wood	Forming and	Unit 7.2 Steam	Unit 7.2	Unit 7.2 Compression	7.2 Digital	Assessment	Commercial polymer	timber	Commercial metal	7.3	7.4 Design efficiency &	6.1 Structural		Unit 8.1	Materials testing	Unit 9.1 Health &	Unit 9.1 Risk	Unit 9.2	Unit 9.2	11-14 7 7		Unit 3.6 Maths in D&T	Unit 3.6 Maths	Unit 3.6 Maths					1				
	Introduction to course	thinking	materials	milling,	Joining materials	joints and knock down	polymer and	timber	Casting	piercing,	technology	Iterative	and	and	and	and accuracy	optimisation	integrity recap	6.2 Finishes	Manufacturin	Manufacturin	Safety	Dick	Legislation	Legislation	Manufacture & materials	Unit 3.4 Distribution	Manufacturin	Manufacturin	Manufacturin	Final			Devision &	Pavision &				
	content and assessment	Conclusion of research and	sawing and drilling	turning	Initial ideas	fittings	Initiate the	Initiate the	Iterative modelling	Iterative	Iterative modelling	modelling and	g processes	g processes	g processes	Iterative modelling	Identify iteration for	6.2 Finishes	Final idea	g	g specification	Materials testing	assessment	Planning	Planning	Manufacturin	Manufacturin	g	g	g	coursework deadline	Revision	Revision	examination	examination				
	processes 1	user and	Logo design	Logo development		Initial ideas review	iterative development	iterative development	and development	modelling and	and development	development	Iterative modelling	Iterative modelling	Iterative modelling	and development	final	Final idea			Materials	Initiate	Manufacturin g	Manufacturin g	g g	g	g	Evaluation and user	Feasibility & viability	Future modifications					1				
		requirements					phase	phase	developmen				and development	and development	and development		rennement				testing	manuracture						testing											
																				Domile will be a																			
	Pupils will know: • how to waste, in	: pin. form and re	form a range of	materials in the v	workshop setti	ina:							Pupils will know • how to cast. co	r: Impress and use	digital technolo	av to work with	a range of mate	rials in a worksh	op setting:	how to use ter	w. e automation, accu sting to determine	uracy, efficiency	y and optimisati	ion in manufacti	uring;	Pupils will know	: of legislation in	design and manu	ufacturing:			Pupils will know	w: e their NEA portfolio for the deadline; e for their examination. bile to:						
	<ul> <li>how to use thei Pupils will be ab</li> </ul>	ir design criteria le to:	to initiate a ran	ge of initial ideas	5.	-							<ul> <li>how to initiate</li> <li>Pupils will be ab</li> </ul>	the development of to:	nt phase of their	project.	-			<ul> <li>about health a Pupils will be a</li> </ul>	and safety practice ble to:	25.				<ul> <li>how to test an Pupils will be ab</li> </ul>	d evaluate their le to:	final prototype.	-			<ul> <li>how to revise Pupils will be all</li> </ul>							
	develop a range     develop a range	e of logo ideas fi e of initial ideas,	or their product; , reviewing these	in light of feedb	oack from their	r stakeholders.							<ul> <li>select suitable</li> <li>develop and re</li> </ul>	materials and p fine their ideas l	rocesses to initia based on stakeh	ite the iterative r older feedback.	modeling of thei	r selected initial	ideas;	<ul> <li>finalise their design ideas and produce a manufacturing specification;</li> <li>produce a production plan and risk assessment for the manufacture of their final prot</li> </ul>				nal prototype;	finalise the ma     assess the feas	nufacturing of t ibility and viabil	their final prototype; bility of their product through user testing and evaluation.				complete and     sit their final A	final A Level examinations.							
																				· initiate manufacture.																			
				7 - DESIGN THIN				ESSES AND THE	ERATIVE DESIGN PROCESS			Y13 UNIT 7 &	6 -COMMERCIA	L MANUFACTU	RING PROCESS	ES , FINISHES A	ND THE ITERAT	THE ITERATIVE DESIGN		YI3 UNIT 8 & 9 - VIABILITY, HEALTH & SAFETY AND MAN					Y13 UNIT 3 - MAT		ATHS IN D&T AND COMPLETION OF MANUFACTURING, T		ESTING &		¥13 P5								
Year 13 Textiles		Unit 3.1		- DESIGN THIS												PROCESS																							
		Environmenta l issues,		Unit 3.2 DFM,										7.3 Commercial	7.3 Commercial						Unit 8.2													/	1				
		circular economy and	Unit 3.1	TQM, planning and	Unit 3.2			Unit 7.2	Unit 7.1 Pattern	Unit 7.2	7.2 Digital	Assessment	7.2 Principles of pattern	textiles processing	processing	7.3 Automation	7.4 Design efficiency &	6.1 Structural		Unit 8.1 Viability	Materials testing	Unit 9.1 Health &	Unit 9.1 Risk assessment	Unit 9.2	Unit 9.2	Unit 3.3		Unit 3.6 Maths in D&T	Unit 3.6 Maths L in D&T	Jnit 3.6 Maths in D&T					1				
	to course	Assessment	environmenta	production	manufacturir	Distributing	Unit 7.2 Pockets	Pockets	drafting	Seams	technology	Iterative	cutting	and manufacturin	manufacturin	and accuracy	optimisation	recap	6.2 Finishes	Manufacturin	Manufacturin	Satety	Risk	Dispation	Disastion	Manufacture & materials	Distribution	Manufacturin	Manufacturin	Manufacturin	Final	Devision	Davisian	Revision &	Revision &				
	assessment	Conclusion of	directives	Logo	g products	Initial ideas	Initial ideas review	iterative	Iterative modelling	modelling	modelling	and	Iterative modelling	g processes	g processes	Iterative modelling	iteration for	6.2 Finishes	Final idea	g specification	specification	testing	assessment	Manufacturin	Manufacturin	Manufacturin	Manufacturin	9 Evaluation	9	g	deadline	Revision	Revision	examination	examination				
		research and finalisation of	Logo design	development				phase	and development	development	development	pinent	and development	Iterative modelling	Iterative modelling	and development	final refinement	Final idea			Materials testing	Initiate manufacture	Manufacturin g	g	9	g	,	and user testing	Feasibility & viability	Future modifications									
		user and stakeholder												and development	and development													,											
		requirements											Duraily 10.1							Pupils will know	NC														· · · · · ·	-			
	Pupils will know: about wider iss	ues relating to c	designing and m	anufacturing;									how to pattern     workshop setting	<ul> <li>bow to pattern draft, construct garments and use digital technology to work with workshop setting;</li> </ul>					aterials in a	how to achiev     how to use test	how to achieve automation, accuracy, efficiency and optimisation how to use testing to determine viability of a product;				uring;	• about the role	: of legislation in	design and manu	and manufacturing;			Pupils will know how to finalise	w: e their NEA portf	olio for the dead	line;				
	<ul> <li>how to use their Pupils will be able</li> </ul>	In one men design criteria to initiate a range or initial loeas. Is will be able to: Is end to a criteria of feed integration of the integration of the initial of the in										<ul> <li>how to initiate</li> <li>Pupils will be ab</li> </ul>	the development	nt phase of their	project.				about health a     Pupils will be a	and safety practice ble to: lorign idage	25.	facturine	ficatio-	now to test and evalu     Pupils will be able to:     finalize the monufact			e their final prototype.				<ul> <li>how to revise</li> <li>Pupils will be all</li> </ul>	Pupils will be able to: complete and hande in their NEA portfolio by the deadline:							
	<ul> <li>develop a range</li> </ul>	e of initial ideas,	reviewing these	in light of feedb	oack from their	r stakeholders.							select suitable     develop and re	t suitable materials and processes to initiate the iterative modeling of their selectr lop and refine their ideas based on stakeholder feedback					initial ideas; Finalise their design ideas and produce a manufacturing specificat produce a production plan and risk assessment for the manufactu					acture of their fir	nal prototype;	<ul> <li>assess the feasi</li> </ul>	he manufacturing of their final prototype; he feasibility and viability of their product through user testing and evaluation.					<ul> <li>sit their final A</li> </ul>	sit their final A Level examinations.						