Hope Valley College Curriculum Design & Technology — Key Stage 3 (Years 7, 8 and 9)



	DOT 1														
D&T - WOODY				D&T - ELECTRONIC NIGHT LIGHT				FOOD - NUTRITION & FOOD: BASIC SKILLS, H&S and Diet				TEXTILES - HANDSTITCHED FELT MONSTER			
RESEARCH	DESIGN	MAKE	ANALYSE / EVALUATE	RESEARCH	DESIGN	MAKE	ANALYSE / EVALUATE	RESEARCH		MAKE	ANALYSE	RESEARCH	DESIGN	MAKE	EVALUATE
Look at different kinds of woods, and joints	Design strategies, 2D and 3D sketching rendering	Wood joints.		'	Specification creates and 3-4-5 Design ideas, CAD/CAM, Isosketch	Night light; Soldering, laser cutting, assembly	Circuit testing,	Basic Knife Skills & n Basic Cooking skills	Use of Equipment	Health, Hygiene & Safety	Eatwell Guide and Introduction to nutrition	what makes a monster a monster, Play	using rendering and labelled with technical information; stitches, components,	Felt Monster; Hand stitching, components, templates, cuttin	Analyse desigr brief by highlighting keywords and discussing what is asking for. Evaluate final monster using +
Bio Mimicry	ILP - is an ir	ndependent l	earning proj	ect that conta	ains 3 comp	ulsory tasks a	and a choice	of 3 elective	tasks, to be	completed c	ver a 2 weel	k period			
D&T – Wooden Robotic Toy				ENGINEERING - METAL INSECT				FOOD: EXPLORING NUTRITION & FOOD: ONE POT DISHES				TEXTILES - KANDINSKY CUSHIONS			
RESEARCH	DESIGN	MAKE	ANALYSE	RESEARCH	DESIGN	MAKE	ANALYSE / EVALUATE	MAKE	RESEARCH		ANALYSE	RESEARCH	DESIGN	MAKE	ANALYSE /
Product Analysis: ACCESSFM	lso-sketch, and tinker card	temporary joints,		Product Analysis: ACCESSFM	Foam modelling, Design ideas, 2 elevations	Insect : Metal processes, brazing,	Product evaluation	Use of commodities in practical dishes	Cross Contamination & Food Poisoning			Find out about Artist Kandinsky, his medical condition SYNAESTHESIA	Create a range of initial ideas responding to music. Peer asses and then create final cushion design.	Cushion: Learn how to use a sewing machine and surface decoration to create a Kandinsk inspired cushion	Analyse design brief by highlighting keywords and discussing what is asking for. Create step by step and evalua y final product ir sentences think about improvements
Cultural Cuis	sine - is an ir	ndependent l	earning proj	ect that cont	ains 3 comp	ulsory tasks	and a choice	of 3 elective	tasks, to be	completed o	over a 2 wee	k period			improvements
FOOD				TEXTILES				ENGINEERING				ENGINEERING			
EXPLORING NUTRITION & FOOD: COMPLEX MAINS & SIDES, FOOD CHOICE AND SPECIAL DIETARY NEEDS				AFRICAN HANDWARMERS - PROTOTYPE FOR MASS MARKET				Engineering: Survival Tool				D&T: Lighting			
baking; pastric shortcrust and pastries, breads cakes. Complex	es, puff and main e	Nutritional and Aware ares	ional Labelling A d Consumer eness including I llergies & m	frican patterns. Mas market customer profiling. Production lethods. Fabric Tests	on WARMER. Desi handwarmers templates. S decorative ted batik, free hand	gn African , create sample Step by s hniques: (Linked I machine ery,	to GCSE marking	for alternative functi	processes, m ons, including lath machine, CA	achine tools Final pe and milling test of CAM, CNC		_	-	make a LED tes	al product evaluati t of functionality a use.
	Look at different kinds of woods, and joints Bio Mimicry Di RESEARCH Product Analysis: ACCESSFM Cultural Cuis EXPLORING MAINS & Si Principles of he baking; pastrius hortcrust and pastries, breads cakes. Complex	Look at different kinds of woods, and joints Bio Mimicry ILP - is an in D&T - Woods RESEARCH DESIGN Product Analysis: ACCESSFM Iso-sketch, and tinker card Cultural Cuisine - is an in FOCEXPLORING NUTRITION MAINS & SIDES, FOOD DIETARY Principles of home baking; pastries, shortcrust and puff pastries, breads and cakes. Complex main and cakes. Complex main and should be considered to be consi	Look at different kinds of woods, and joints and joints sketching rendering wood joints, cutting, finishing, drilling Bio Mimicry ILP - is an independent I D&T - Wooden Robotic To RESEARCH DESIGN MAKE Product Analysis: Iso-sketch, and tinker card temporary joints, wooden permanent and temporary joints, veneers, CAD/CAM Cultural Cuisine - is an independent temporary joints, veneers, CAD/CAM FOOD EXPLORING NUTRITION & FOOD: OMAINS & SIDES, FOOD CHOICE AND DIETARY NEEDS Principles of home baking; pastries, shortcrust and puff pastries, breads and cakes. Complex main Factors affecting food choice - Nutritional needs for various life stages.	Look at different kinds of woods, and joints Bio Mimicry ILP - is an independent learning proj D&T - Wooden Robotic Toy RESEARCH Product Analysis: ACCESSFM Iso-sketch, and tinker card Permanent and temporary joints, veneers, CAD/CAM Cultural Cuisine - is an independent learning proj FOOD EXPLORING NUTRITION & FOOD: COMPLEX MAINS & SIDES, FOOD CHOICE AND SPECIAL DIETARY NEEDS Principles of home baking; pastries, shortcrust and puff pastries, breads and cakes. Complex main cakes. Complex main cakes for various life stages.	Look at different kinds of woods, and joints Bio Mimicry ILP - is an independent learning project that cont. D&T - Wooden Robotic Toy RESEARCH Product Analysis: A toy woody: Wood joints, cutting, finishing, drilling Bio Mimicry ILP - is an independent learning project that cont. D&T - Wooden Robotic Toy RESEARCH DESIGN MAKE ANALYSE RESEARCH Product Analysis: ACCESSEM RESEARCH Product Analysis: ACCESSEM Product Analysis: ACCESSEM Cultural Cuisine - is an independent learning project that cont. FOOD EXPLORING NUTRITION & FOOD: COMPLEX MAINS & SIDES, FOOD CHOICE AND SPECIAL DIETARY NEEDS Principles of home baking; pastries, shortcrust and puff pastries, breads and cakes. Complex main needs for various life stapes including and Consumer profiling. Productional needs for various life allergies & Market customer profiling. Productional needs for various life and Consumer profiling. Productional needs for various life and Consumer profiling. Productional needs for various life and Consumer profiling. Productional needs for various life allergies & market customer profiling. Productional needs for various life allergies & methods. Fabric Tests methods. Fabric Tests	Look at different kinds of woods, and joints Bio Mimicry ILP - is an independent learning project that contains 3 compt Design strategies, 2D and 3D sketching rendering drilling. Bio Mimicry ILP - is an independent learning project that contains 3 compt D&T - Wooden Robotic Toy RESEARCH DESIGN MAKE ANALYSE RESEARCH DESIGN MAKE ANALYSE RESEARCH DESIGN Product Analysis: lso-sketch, and tinker card Product Analysis: weneers, CAD/CAM ACCESSEM Laser cutting, wooden permanent and temporary joints, weneers, CAD/CAM ACCESSEM Cultural Cuisine - is an independent learning project that contains 3 compt EXPLORING NUTRITION & FOOD: COMPLEX MAINS & SIDES, FOOD CHOICE AND SPECIAL DIETARY NEEDS Principles of home baking: pastries, shortcrust and puff pastries, breads and cakes. Comptex main cakes. Comptex main cakes. Comptex main cakes. Comptex main allergies & methods. 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Fabric Tests' DESIGN A toy wood; Broduct evaluation product on the cates and and look into why ware are designing product on where to use them cates in the control of the cates and 3-4-5 Design ideas and 3-4-5 D	Look at different kinds of woods, and joints and joints and joints and joints are design, and joints and joints are design product evaluation and joints and joints are design, and where to use them are design, and the permanent and tinker card are design, and tinker card are design. The design is design, and tinker card are design, and tinker to use them a separate specification and look into why we are design and design are design, and to where to use them are design and design and tinker to use them a separate specification and look into why we are design, and design are design, and the ware design, and the ware design and dout. What are design and design are design, and the ware design and dout. What are design and design are design, and the ware design and dout. 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