


Technology - Overview

GCSE Design Technology						
 CONSETT ACADEMY	Autumn Term		Spring Term		Summer Term	
	HT1	HT2	HT3	HT4	HT5	HT6
	3.1 Core technical principles		3.2 Specialist technical principles			3.3 Designing & making principles
Year 10	Materials and material properties Metals/ polymers/ timber/ Paper & board/ textiles/ New materials FPTs all materials	Sustainability & Mechanisms New and emerging technologies, energy generation and storage, systems, mechanical devices	Exploring specialist technical principles Polymers/timber or textiles <ul style="list-style-type: none"> • Selection of materials & components • Forces and stresses • Ecological & social footprint • Sources and origins • Stock forms 	Developing specialist technical principles Polymers/timber or textiles <ul style="list-style-type: none"> • Using and working with materials • Scales of production • Specialist techniques & processes • Surface treatments and finishes 	Applying specialist technical principles Design and making project <ul style="list-style-type: none"> • Making a garment • Storage product 	NEA Research & analysis (section A 10 marks) Design brief & spec (section B 10 marks)
	3.3 Designing & making principles					
Year 11	NEA Design Ideas (section C 20 marks)	NEA Developing ideas (Section D 20 marks)	NEA Realising ideas (Section E 20 marks)	NEA Analysing and evaluation (Section F 20 marks)	Exam practice based revision for written exam	N/A

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