KS4 Y11 GCSE CURRICULUM OVERVIEW

SUBJECT: DESIGN & TECHNOLOGY

	Topics being taught	What you will be assessed on	How you can support at home
AUTUMN TERM	NEA	Context/challenge– purpose, how to choose, what to include. Task analysis Product analysis, How to analyse products What areas to research – making research relevant to project. Inclusive design.	Support NEA task – Research & Investigation Support home learning tasks
	OCTOBER 1/2 TERM NEA	Sustainability Life cycle analysis – Social, Moral, Cultural considerations. Iterative Design process , Idea generation, Development of ideas / modelling / CAD / Prototyping	Support NEA – Designing and developing Support home learning tasks
SPRING TERM	CHRISTMAS NEA	Manufacturing of final outcome Testing Evaluation	Support NEA – supply materials for manufacturing Support home learning tasks
	FEB 1/2 TERM Revision	Core Technical knowledge and understanding that consists of: New and emerging technologies Energy generation and storage, Developments in new materials, Systems approach to designing Mechanical devices, Materials and their working properties (timbers, polymers, metals, papers, boards, textiles)	Support a revision timetable Supply revision materials such as flash cards
SUMMER TERM	EASTER Revision	Specialist technical principles within timber-based materials: Selection of materials or components, Forces and stresses, Ecological and social footprint, Sources and origins using and working with materials, Stock forms, types and sizes, Scales of production specialist Techniques and processes, Surface treatments and finishes.	Support a revision timetable Supply revision materials such as flash cards

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