

Bishop Stopford's School

Curriculum Map Year 7

Engineering

The ADT curriculum is delivered through a carousel with each student engaged in one subject per term.

Cur	riculum Intent: Engine		nrougn a carousei with each stuaent engaged Art		Food Technology	
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Unit of work	Poject: Dest Tdy Learners develop an understrading of the iterative design process through project based learning. Through this unit of work learners take on the role of a design engineer working to meet the needs of a consumer through the design and manufacture of a suitable product. Learners develop an understanding of how a designer genieer works of a consumer to need to be design specification. Learners use a range of sources from primary and secondary research as well as the use of boinnings, from which initial product sketches can be produced. Learners develop an understanding of hazards and site working practices when working within a workshop through the use of sketcet hand tools and machinery in order to produce a final product. Learners develop an understanding of the importance of reviewing designs through evaluation in order for designs to develop and evolve.					
Core Skills	 Analysis of current products through the use of ACCESS TMM Numerical Sills: to other metric measurement system Design sills: converging information through free hand sketches, annotations and oblage argorized. Workhopd Sills: The safe selection and use of woodworking hand tools and key machinery. Literacy Sills: annotation of graphic work, design specification writing and product meetingsion. Design sills: The safe selection and use of woodworking hand tools and key machinery. Literacy Sills: annotation of graphic work, design specification writing and product meetingsion. Design making Caulating: of a final design 					
Core Knowledge	The iterative design process Designing to meet the needs of a 3rd party (client) Material selection: Times Safe working practices Safe working practices Computer aided design					
Assessment & Feedback	initial assessment on the iterative design process. DIRT sessions are used to allow students to develop their	Summative assessment [3] Learners undertake final summative assessment, assessing both the students involvelge of all topics covered as well as a practical element.				
Link to prior learning						
Outside learning/trips						