



YEAR 11 TERM 1

'An ambitious curriculum that meets the needs of all'



Medium Term Planning - Topic: R040 TA1 - Design, evaluation and modelling

Curriculum Intent	In addition to working further on objectives from Year 10 , pupils will be taught, following National Curriculum guidelines, the following this term:
Skills/Assessment Objective Links	<p>To be able to:</p> <ul style="list-style-type: none"> • carry out a product analysis using ACCESS FM. • compare products using Ranking Matrices and Quality Function Deployment (QFD) • carry out a product disassembly and analysis
Spiritual, moral, social, and cultural development	<p>SMSC: analysis on environmental impact and issues</p> <p>PSHE/British Values:</p> <p>Skills Builder: Planning for make skills</p>
Numeracy	
Literacy	<p>Vocabulary Tier 2: See highlighted above</p> <p>Vocabulary Tier 3: See highlighted above</p> <p>Reading: Use of help sheets to be able to carry out the analysis</p> <p>Writing: use of technical tier 3 vocabulary within annotation and design specification</p> <p>Oracy: when questioned pupils are able to use technical subject specific language</p>
Becoming future ready	Careers/Employability: manufacturing industry, Product Designer, Engineering sector
Adaptation	Throughout this topic, quality first teaching will provide differentiation:
QFT/SEND Provision	<p>By product: Use of ACCESS-FM sheets</p> <p>By resource: Use of exemplar materials from OCR</p> <p>By Intervention: by providing different levels of supervision and support</p> <p>By Progressive Questioning: exploring pupils' understanding through interactive dialogue.</p> <p>By Grouping: according to prior attainment, gender, social preference, preferred learning style.</p> <p>By Task: Pupils should be involved in the identification of targets which are meaningful to them and in the selection of an appropriate task from the given range.</p> <p>By Offering Optional Activities: In class or as homework, to extend learning.</p> <p>This QFT/SEND provision will be explicit within the lesson-by-lesson schemes of work.</p>
Implementation Curriculum Delivery	
Learning Outcomes (Knowledge)	<p>Red denotes interleaving; aspects of knowledge covered previously in Yr10.</p> <ul style="list-style-type: none"> • carry out a product analysis using ACCESS FM.
Current learning to be developed in the future within:	Skills to be developed – disassembly and using the ranking matrices/QFD
Assessment	<p>Formative – Use of analytical skills</p> <p>Summative – Final outcome product analysis, ranking and disassembly</p>
Impact	Pupils to have knowledge and understanding of how to analyse, rank and disassemble a product so that they are able to complete R040 independently.