



# YEAR 11 2023-2024 TERM 1

'An ambitious curriculum that meets the needs of all'

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



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