

	8. Production planning techniques	9. Applied processing skills and techniques	NEA		Exam	
	8.1 The learner will understand how to plan a manufacturing task safely and on time.	9.1 The learner will understand a range of processing skills and manufacturing techniques – preparing, modifying, joining and finishing techniques applied to materials for a manufacturing task. The learner will understand the safe and correct use of tools, equipment and machines.	Synoptic assessment requires learners to combine elements of their learning and show accumulated knowledge and understanding across the qualification content. It enables learners to evidence their capability to integrate and apply knowledge, understanding and skills gained with breadth and depth in context.		Review of theory elements of the course, in preparation for their final exam	Review of theory elements of the course, in preparation for their final exam
	End of topic assessment	End of topic assessment	NEA		Moderation of coursework Revision for Exam	NCFE- External Engineering Exam

	<p>required to apply knowledge and understanding through a mandatory assessment which will be sat at the end of Year 11. Students will also have a mock in Year 10.</p>		<p>apply theory and concept from knowledge based learning outcomes in context to show knowledge and understanding of the subject at the appropriate level. The examination will allow for application of knowledge and understanding from across the units and combines content to develop holistic connections.</p>
	<p>Commitment, effective communication and interpersonal skills, observation skills, professionalism, problem-solving skills, teamwork, reflective practitioner, marking, measuring., Independence, Retention, Application, Knowledge, Understanding, Evaluation</p>		
	<p>Tradesman: Electrician, Plumer, Joiner, Builder. Engineer: Materials, Civil, Automotive, Design, Chemical, Clincaill, Games Designer, Graphic Designer, Product Designer, Construction Manager CAD Technician, Secondary School Teacher, Data Analysis</p>		

	<ul style="list-style-type: none"> • Recall and apply some knowledge and understanding, in a limited manner, that has some relevance and limited detail of engineering disciplines, science and mathematics in engineering drawings, properties and characteristics of engineering materials, tools and machinery, hand-drawn and CAD drawn engineering drawings, product planning techniques and applied skills and techniques • Analyse and evaluate to make adequate judgements, with some reasoning and reach straightforward conclusions on engineering disciplines, science and mathematics in engineering drawings, properties and characteristics of engineering materials, tools and machinery, hand-drawn and CAD-drawn engineering drawings, product planning techniques and applied skills and techniques • Safely and effectively demonstrate a limited level of skills, techniques and processes relevant to engineering when using a wide range of tools and equipment to implement a production plan, applying skills and 	<ul style="list-style-type: none"> • Recall and apply mostly relevant knowledge and understanding in a mostly detailed manner of engineering disciplines, science and mathematics in engineering drawings, properties and characteristics of engineering materials, tools and machinery, hand-drawn and CAD-drawn engineering drawings, product planning techniques and applied skills and techniques • Analyse and evaluate to make mostly reasoned judgements and reach coherent conclusions on engineering disciplines, science and mathematics in engineering drawings, properties and characteristics of engineering materials, tools and machinery, hand-drawn and CAD-drawn engineering drawings, product planning techniques and applied skills and techniques • Safely and effectively demonstrate mostly relevant skills, techniques and processes relevant to engineering when using a wide range of tools and equipment to implement a production plan, 	<ul style="list-style-type: none"> • Recall and apply highly relevant knowledge and understanding in a highly comprehensive manner of engineering disciplines, science and mathematics in engineering drawings, properties and characteristics of engineering materials, tools and machinery, hand-drawn and CAD-drawn engineering drawings, product planning techniques and applied skills and techniques • Analyse and evaluate to make reasoned judgements and reach well-supported conclusions on engineering disciplines, science and mathematics in engineering drawings, properties and characteristics of engineering materials, tools and machinery, hand-drawn and CAD-drawn engineering drawings, product planning techniques and applied skills and techniques • Safely and effectively demonstrate highly relevant skills, techniques and processes relevant to engineering when using a wide range of tools and equipment to implement a production plan, applying skills and

