

Date	Exams/ Assess	Unit(s)
1/9/25		Focused Practical - Skills Builder Storage. - How to measure, mark out, cut and join materials using a range of methods. Mock NEA - How to produce a 'plan of manufacturing'. - The requirements for section A of your mock NEA. Core and Specialist technical Principles 3.1.6 Introduction to Materials (Timbers) and working Properties 3.2.4 Sources and origins 3.1.6 Introduction to Materials (Polymers) and working Properties 3.2.4 Sources and origins 3.1.1 Sustainability and the environment. LCA. 6 R's. 3.2.3 Ecological and social footprint
8/9/25		
15/9/25		
22/9/25		
29/9/25		
6/10/25		
13/10/25		
20/10/25		
3/11/25		Mock NEA - How to consider social, cultural and moral issues linked to your project. - The requirements of Section C for your mock NEA. - Range of drawing techniques used in technology. Core and Specialist technical Principles 3.1.1 Introduction to CAD / CAM / CNC. - Application of 2D Design tools. 3.1.1 Understand the impact of new and emerging technologies with relation to social, cultural and moral issues. 3.3.5 Communication of design ideas. <i>Develop, communicate, record and justify design ideas using a range of appropriate techniques</i>
10/11/25		
17/11/25		
24/11/25		
1/12/25		
8/12/25		
15/12/25		
5/1/26		Focused Practical - How to measure, mark out, cut and join metal and plastic components. - How to use the metal turning lathe. - How to create a thread on the ends of round bar. - How to form and shape sheet metal. - How to accurately mark out a drill holes in metal sheet. - Permanent and semi-permanent metal joining techniques including welding and pop riveting. Mock NEA Section D – Further research to include elements from focused theory teaching Core and Specialist technical Principles 3.2.6 Standard Components and Stock Forms
12/1/26		
19/1/26		
26/1/26		
2/2/26		

9/2/26		3.2.8 Specialist techniques and processes 3.2.1 Selection of materials or components 3.1.4 Systems approach to designing.
23/2/26		Focused Practical - How to use CAD in order to produce products. - Key functions and requirements for the laser cutter to work effectively. Core and Specialist technical Principles 3.2.7 Scales of production How products are produced in different volumes. The reasons why different manufacturing methods are used for different production volumes: - Prototype - Batch - Mass - Continuous. 3.2.8 Commercial processes - Timber based materials (routing and turning). - Metal based materials (milling, casting and turning). - Polymers (injection molding and extrusion).
2/3/26		
9/3/26		
16/3/26		
23/3/26		
30/3/26		
20/4/26		Core and Specialist technical Principles 3.3.3 The work of others 3.3.7 Selection of materials and components 3.3.8 Tolerances 3.2.8 Specialist techniques and processes 3.3.9 Material management
27/4/26		
4/5/26		
11/5/26		
18/5/26		
1/6/26		<u>GCSE NEA context release</u> - Section A. Exploring design opportunities. - Section B. Developing a design brief and specification. - Section C. Development of design ideas
8/6/26		
15/6/26		
22/6/26		
29/6/26		
6/7/26		
13/7/26		