



## Assessment Schedule

**Subject: GCE Product Design**

**Class:13A-DT**

Week	Assessment Number	Day and lesson period	Length of assessment	Details of the assessment
w/c 19 <sup>th</sup> April				
w/c 26 <sup>th</sup> April				
w/c 3 <sup>rd</sup> May	1	Tues 4	30 mins	<b>Maths Skills</b> (short & longer answer exam questions) <u>Assessment content</u> ; percentages, ratios, calculation of surface areas and/or volumes, trigonometry, construction of graphs, geometry, statistics & probability.
	2	Tues 5	50 mins	<b>Drawing Skills</b> (longer answer exam question) <u>Assessment content</u> ; Isometric, two-point perspective, orthographic and NET drawings
	3	Thurs 1	50 mins	<b>Discuss, Explain &amp; Evaluate skills</b> (9 & 12 mark exam questions) <u>Assessment content</u> ; Factors influencing the development of products, Effects of technological developments, features of manufacturing industries, Designing for maintenance and the cleaner environment
w/c 10 <sup>th</sup> May	4	Mon 3, Tues pm & Thurs am	5 hours	<b>Practical assessment</b> (Assessed using NEA making grade - see below) <u>Content</u> ; Making a tealight holder using knowledge of metals properties & characteristics, joining methods & finishes, tools & equipment and working safely
w/c 17 <sup>th</sup> May	5	Mon 3, Tues pm & Thurs am	5 hours	<b>Practical assessment</b> (Assessed using NEA making grade - see below) <u>Content</u> ; Making wooden joints (finger, lap & dowel) using knowledge of timbers properties & characteristics, joining methods, tools, equipment and working safely
w/c 24 <sup>th</sup> May (Mon/Tue/Wed only)	6	Tues pm	50 mins	<b>Materials, processes, techniques &amp; specialist tools</b> (short answer exam questions) <u>Assessment content</u> ; Woods, Metals, Polymers, Composites, Papers and boards, Textiles, Smart and modern materials, heat treatments, alloying, printing, casting, machining, moulding & specialist tools & equipment

### NEA Assessment Criteria: Making

<p><b>Sophisticated selection</b> of materials, components and finishes which are <b>fully appropriate</b> for the product, showing an <b>in-depth understanding</b> of material properties, the requirements of the end user, and the intended purpose of the product.</p>	<p><b>Mostly sophisticated</b> selection of materials, components and finishes which are <b>mostly appropriate</b> for the product, showing a <b>sound understanding</b> of material properties, the requirements of the end user, and the intended purpose of the product.</p>	<p>A <b>good</b> selection of materials, components and finishes which are <b>generally appropriate</b> for the product, showing a <b>good understanding</b> of material properties, the requirements of the end user, and the intended purpose of the product.</p>	<p><b>Adequate</b> selection of materials, components and finishes which are <b>appropriate</b> for the product, showing a <b>partially good understanding</b> of material properties, the requirements of the end user, and the intended purpose of the product.</p>	<p><b>Basic</b> selection of materials, components and finishes which are <b>mostly appropriate</b> for the product, showing a <b>limited understanding</b> of material properties, the requirements of the end user, and the intended purpose of the product.</p>
<p><b>Accomplished</b> demonstration of use of tools, equipment and techniques to manufacture the prototype, showing an <b>in-depth understanding</b> of how to use working drawings &amp; dimensional accuracy.</p>	<p><b>Mostly skilful</b> demonstration of use of tools, equipment and techniques to manufacture the prototype, showing a <b>sound understanding</b> of how to use working drawings &amp; dimensional accuracy</p>	<p>A <b>good</b> demonstration of use of tools, equipment and techniques to manufacture the prototype, showing a <b>good understanding</b> of how to use working drawings &amp; dimensional accuracy</p>	<p><b>Some good</b> demonstrations of use of tools, equipment and techniques to manufacture the prototype, showing a <b>reasonable understanding</b> of how to use working drawings &amp; dimensional accuracy</p>	<p><b>Limited</b> demonstration of use of tools, equipment and techniques to manufacture the prototype, showing a <b>basic understanding</b> of how to use working drawings &amp; dimensional accuracy</p>
<p>Demonstrate an <b>understanding of a consistently high degree</b> of safe working practice for self and others when making</p>	<p>Demonstrate an <b>understanding of a high degree</b> of safe working practice for self and others when making</p>	<p>Demonstrate an <b>understanding of a mostly high degree</b> of safe working practice for self and others when making</p>	<p>Demonstrate an <b>understanding of a fully adequate degree</b> of safe working practice for self and others when making</p>	<p>Demonstrate an <b>understanding of a generally adequate</b> of safe working practice for self and others when making</p>
<p><b>Grade A/A*</b></p>	<p><b>Grade B</b></p>	<p><b>Grade C</b></p>	<p><b>Grade D</b></p>	<p><b>Grade E</b></p>