

Introduction

The specification for content for Product Design allows learners to develop an appropriate breadth and depth of knowledge, understanding and skills in the different areas of Design and Technology.

Unit 1: Design and wider issues in Design and Technology– This is a written examination of 2 hours duration and requires learners to demonstrate both knowledge and an understanding of the core content. It is totalled out of 80 marks.

Unit 2: Design and make task – Non-exam assessment (NEA), of approximately 40 hours. Unit 2 requires the learner to demonstrate the ability to identify, analyse and outline design possibilities. The student should have developed sufficient skills to design, model and make prototypes and be able to demonstrate evaluative skills within their design work.

It is recommended that the NEA is assessed in the normal way and that it contributes in proportion to the assessment objective weightings in each specification. Learners may then decide to either produce a model/CAD Model/mock-up instead of the finished product. Learners may complete the product in the usual manner if they wish to do so.

Sources of evidence for Centre Determined Grades in Product Design

Assessment point 1 = Questions from past AS WJEC papers have been completed in lesson under **high control** focusing on two key aspects of unit 1 to be completed week beginning the **7th of December**.

Assessment point 2 = The completion and submission of the following sections for unit two sections of the NEA on the **13th December**. These areas have been completed under **medium control**. This section is usually worth 20% of the NEA.

- Identifying design possibilities
- Developing a design brief and specification

Assessment point 3 = A multiple choice test completed online using Socrative. This covered: timber based materials, synthetics, metals and alloys, SMART materials, modern and composite materials. This was timed and monitored by the teacher under **medium control**. Date completed was the week commencing **8th March**.

Assessment point 4 = The completion and submission of the following sections for unit two NEA. These areas have been completed under **medium control** section of the NEA. The “generating and refining design ideas”. The deadline for this section was the **17th Jan**. This section was completed under **medium control**.

- Initial design ideas
- Analysis of ideas
- Refinement of Ideas

Assessment point 5 = Standardised assessment materials provided by WJEC. Aimed to assess all covered content in both unit 1. This assessment will be completed over 3 lessons under **high control** during the week beginning the **10th May**.

Assessment point 6 = The Final design section of the NEA. The decision has been made that no practical will take place this year. We will therefore assess students on the final design of the product. This will take the weighting of the making a prototype section of the NEA. This will be completed under **high control**. week beginning the **17th May**.

Class work = A range of knowledge and skills are demonstrated by students in lessons Product Design through their performance in low stakes summative assessment which includes recall tests, quizzes, verbal answers to question, small tasks carried out that are not necessarily graded or levelled, longer independent learning tasks and other low stakes tests such as use of online resources. Students design skills in designing using CAD, sketching in various perspectives and theory lesson topics.

Non-Examined Assessment = Because of the pandemic, our risk assessments deemed it unsafe to produce practical work in the workshop, therefore no practical work had been completed during the 2020-21 academic year. The weightings for each section have therefore been changed to ensure that all students have a fair chance of succeeding in the course.