

Details of the Examination Specification

WJEC-Design and Technology-Product Design 4140

Subject Content

The emphasis in this subject is towards the understanding of materials and processes, leading to the realisation of individual designs. Students should apply their knowledge to the selection of materials. They will essentially be working with Wood, Metal and Plastic, but should not discount other materials when required. They must research their ideas and express their designs in a variety of ways. This process should then lead to the construction of a Product. Their projects should consider the use of industrial practices together with CAD/CAM production.

Resources

The students will need to equip themselves with writing and drawing instruments. Materials for the major project will normally come from departmental stock. Specialist materials must be supplied by the student, or paid for by the student when ordered by the School.

How is the Course Assessed?

Internal assessment of a minor project will be at the end of Year 10.

50% through coursework controlled task – production of a made product and design folder.

50% through a written exam, which will assess the students knowledge of the theory aspects of the course.

Deadlines:

The major coursework assignment must be completed by March of Year 11.

What is Expected of the Student?

Students must produce a folder which will show the design and planning of their project before the construction of their product.

Additional Information:

Students must always obey the Health and Safety Code of Conduct for Workshops. Failure to do this will prevent them from completion of their product.

