



Junior Certificate Examination 2008

Materials Technology Wood
Project - Design Briefs

Ordinary Level and Higher Level
200 marks

The Design Briefs for the Certificate Examinations 2008 are given overleaf

THE PROJECT MUST BE COMPLETED BEFORE 25 APRIL 2008

NOTICE TO EACH CANDIDATE:

1. **The project you submit for assessment must be your own individual work.**
2. **It must be executed in school under the supervision of your teacher.**
(If you submit a project which cannot be authenticated by your teacher, you will not receive any marks for either the artefact or the design folio).
3. **You will not be awarded any marks for work you copy directly from the Web and present as your own individual work.**
4. **You must submit a separate, distinct project.**

INSTRUCTIONS TO CANDIDATES:

1. Select **one** project from either the Higher Level or Ordinary Level design briefs opposite.
2. The completed project should be accompanied by a design folio which should include:
 - $\frac{3}{4}$ *Analysis of the selected design brief*
 - $\frac{3}{4}$ *Investigation/research relating to the proposed solution*
 - $\frac{3}{4}$ *Development of design ideas, their evaluation and preferred solution*
 - $\frac{3}{4}$ *Sketches, notations and working drawings required for the completion of the preferred solution*
 - $\frac{3}{4}$ *Evaluation of the design, its completion and the finished project.*
3. The completed project - both artefact and folio - must be available for assessment by **25 April 2008**.
4. Your **Examination Number** should be written clearly on both the completed artefact and the folio.

PROJECT - DESIGN AND REALISATION

Design Briefs - Ordinary Level

1. **Design and make a decorative artefact to hold three small potted plants.**

The artefact should be elegant in appearance and should reflect a nature theme.

2. **Design and make a decorative lamp suitable for a desk.**

The lamp should be modern and attractive in appearance and should incorporate a facility to hold three books.

Note: All electrical connections and fittings must comply with current safety standards.

3. **Design and make a small decorative artefact to display household notices and reminders.**

The artefact should include a facility to store the necessary writing materials and should also reflect a recycling theme.

Design Briefs - Higher Level

1. **Many toys are designed to develop and refine the manipulative skills of a child.**

Design and make an attractive and stimulating toy suitable for use by a child. The toy should include a device or mechanism which will enhance the child's manipulative skills.

2. **Many students admire and are inspired by the endeavours of past pupils of their school.**

Design and make a decorative artefact which could be presented to a past pupil or a group of past pupils on a visit to your school. The design should be inspirational and the artefact should reflect an achievement of the person or group.

3. **A small stylish piece of furniture greatly enhances a hallway or entrance area of a house or apartment.**

Design and make a small hall table of elegant proportions that will attract and please the eye. In addition, the table should be designed to incorporate a storage facility for small personal items.

INFORMATION TO CANDIDATES
Allocation of Marks - Ordinary Level and Higher Level

Marking Headings	Ordinary Level	Higher Level
Analysis of Brief	10	10
Investigation/Research	10	10
Design Ideas/Solution	10	20
Sketches/Working Drawings	10	20
Evaluation	10	10
Folio Total	50	70
Fitness for Purpose	20	20
Appropriate Use of Materials	10	10
Creativity	20	20
Demonstration of Skills	60	40
Quality of Finish	20	20
Overall Appearance	20	20
Realisation Total	150	130
TOTAL	200 marks	200 marks

A simple model of a design process is shown below.
 It is recommended that you follow the sequence of such a design process.

