



Junior Certificate Examination, 2015

***Materials Technology Wood
Coursework - Design Briefs***

*Ordinary Level and Higher Level
200 marks*

The Design Briefs for the Certificate Examinations 2015 are given overleaf

THE COURSEWORK MUST BE COMPLETED BEFORE 24 APRIL 2015

REGULATIONS FOR EACH CANDIDATE:

- 1. The coursework you submit for assessment must be your own individual work.**
- 2. Your coursework must be executed in school under the supervision of your teacher.**
If you submit coursework which cannot be authenticated by your teacher, you will not receive any marks for either the artefact or the design folio.
- 3. When using research sources, including the Internet, the sources must be acknowledged.**
Research material copied directly from the Internet or from other sources and presented as your own work will not receive any marks.
- 4. You must submit your own individual, distinct coursework – both artefact and design folio.**
- 5. Your artefact must not be removed from the school setting under any circumstances as doing so may result in such coursework being considered invalid.**

Instructions to Candidates:

1. Select **one** design brief from **either** the Ordinary Level **or** the Higher Level design briefs opposite.
2. The completed coursework should include a design folio which should contain:
 - *Analysis of the selected design brief*
 - *Investigation/research relating to the proposed solution*
 - *Development of design ideas, their evaluation and preferred solution*
 - *Sketches, notations and working drawings required for the completion of the preferred solution*
 - *Evaluation of the design, its completion and the finished project.*
3. The completed coursework - both artefact and folio - must be available for assessment by **24 April 2015**.
4. Your **Examination Number** should be written clearly on both the completed artefact and on the design folio.

Coursework - Design and Realisation

Design Briefs - Ordinary Level

1. Design and make a compact desktop lamp for use by a young person in their personal space.

The design should be enhanced by the use of native solid wood and should incorporate a facility to hold a mobile phone.

All electrical connections and fittings should be included and must comply with current safety standards.

2. Design and make a decorative spice rack to enhance the kitchen area.

The artefact should be crafted from solid woods and should be designed to display the spices in an attractive manner. Your design should incorporate a culinary theme.

3. Design and make a decorative artefact to promote a sporting activity in your school or community.

The artefact should be attractive and well made. It may be wall-mounted or suitable for display on a shelf and should represent a central aspect of your chosen sport.

Design Briefs - Higher Level

1. At mealtimes the table can be cluttered and short of space.

Design and make a portable and compact artefact to aid in the utilisation of space at mealtimes. Your solution should hold everyday mealtime items and make them easily accessible to those dining. Your artefact should incorporate design elements that contribute to an elegant centrepiece.

2. The transition from winter to spring is one of great change, renewal and hope.

Design and make a decorative artefact which symbolises these themes. The design and realisation of your artefact should demonstrate a range of handcraft skills.

The artefact should be suitable for display on a shelf or mantelpiece.

3. An elegant wooden feature can be functional whilst enhancing an entrance hallway.

Design and make an attractive wall mounted artefact to hold three coats. It should also incorporate a storage facility for some additional small items. The handcrafted artefact should be slimline and should evoke a theme of your choice. Your design folio should show evidence of how your theme was developed.

The maximum dimension may not exceed 500mm.

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.

