



Junior Certificate Examination, 2018

Materials Technology Wood
Coursework - Design Briefs

Ordinary Level and Higher Level
200 marks

The Design Briefs for the Certificate Examinations 2018 are given overleaf

THE COURSEWORK MUST BE COMPLETED BEFORE 27 APRIL 2018

REGULATIONS FOR EACH CANDIDATE:

1. **The coursework you submit for assessment must be your own individual work.**
2. If **either** assessment component (written examination or coursework) is submitted at Ordinary Level, the subject is graded at **Ordinary Level**.
3. **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.
4. **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.
5. **You must submit your own individual, distinct coursework – both artefact and design folio.**
6. **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 **27 April 2018**.
4. Your **Examination Number** should be written clearly on both the completed artefact and on the design folio.

Coursework 2018 - Design and Realisation

Design Briefs - Ordinary Level

1. Design and make a compact wooden artefact for displaying notes and reminders in the home.

Your artefact should include a facility to hold keys **and** other small items. It should be elegant in design and hand crafted.

The maximum dimension must not exceed 420mm.

2. Design and make a decorative artefact to promote an appreciation of Irish Wildlife.

The artefact should reflect aspects of flora and/or fauna native to your locality. Your design should be enhanced by the use of solid woods.

The artefact should be compact and suitable for display in your home.

3. Design and make an attractive educational toy as a gift for a child.

The wooden toy should be designed to help the child recognise shapes and colours and to develop their manipulative skills.

The maximum dimension must not exceed 350mm. The applied finish should be non-toxic and safe.

Design Briefs - Higher Level

1. Artefacts that are functionally innovative and of elegant design are admired.

Design and make an attractive wooden container to store baked goods. Your artefact should include an integral and complementary secondary function. Your artefact should be designed for placement on a kitchen worktop or for wall-mounting and be made from appropriately jointed solid wood.

The maximum dimension must not exceed 400mm. The applied finish must be food-safe.

2. Wellbeing is important in the life of a young person.

Design and make an elegant artefact to reflect an aspect of wellbeing that is important to you. Your artefact should be enhanced by the use of contrasting solid woods and should showcase a range of handcraft skills and techniques.

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

3. Streaming and downloading on phones and tablets are popular when accessing online content.

Design and make a compact artefact to support a phone or tablet while viewing content. A facility to adjust the viewing angle should be integral to your design. Your artefact must incorporate storage for headphones and other ancillary items. Your artefact should exhibit skilful handcraft in wood.

The size of the artefact must be appropriate to the size of the phone or tablet.

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.

