



Coimisiún na Scrúduithe Stáit
State Examinations Commission

Junior Certificate Examination, 2020

Materials Technology Wood
Coursework - Design Briefs

Ordinary Level and Higher Level
200 marks

The Design Briefs for the Certificate Examinations 2020 are given overleaf.

THE COURSEWORK MUST BE COMPLETED BEFORE 24th APRIL 2020

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 **24th April 2020**.
4. Your **Examination Number** should be written clearly on both the completed artefact and on the design folio.

Coursework 2020 - Design and Realisation

Design Briefs - Ordinary Level

1. Design and make an attractive garden artefact to provide a habitat for insects.

Your artefact should be well crafted and designed to attract a range of insects.

The maximum dimension of your artefact must not exceed 350mm.

2. Design and make a decorative artefact to celebrate your favourite pastime or hobby.

Your artefact should be attractive in appearance and be enhanced by the use of contrasting solid woods.

Your artefact should be compact and suitable for display on a desk or shelf.

3. Design and make an attractive wall-mountable shelf suitable for a child's room.

Your shelf should be well crafted and should reflect an appropriate theme.

The maximum dimension of your artefact must not exceed 450mm.

Design Briefs - Higher Level

1. Colourful plants and flowers enhance indoor living environments and contribute to wellbeing.

Design and make a wooden artefact to display potted plants attractively in an indoor setting. Your artefact should display the plants at more than one height and can be freestanding or wall-mounted. Your artefact should exhibit a range of handcraft skills.

The maximum dimension of your artefact must not exceed 500mm.

2. Young people are voicing their concerns and demanding action on climate change.

Design and make an artefact reflecting your commitment to lifestyle change and individual action in mitigating the effects of climate change. Your artefact should encourage others to reflect on the beneficial effects of such lifestyle change and action for our planet. Your artefact should include a range of handcraft skills complemented by the use of suitable solid woods.

The maximum dimension of your artefact must not exceed 350mm.

3. Photographs and keepsake items preserve cherished personal memories.

Design and make an artefact which will display a number of photographs. Your artefact must also include an enclosed storage compartment for a number of keepsake items of sentimental value. Handcrafted joints should be a distinctive feature of your artefact.

The maximum dimension of your artefact must not exceed 400mm.

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.

