



Coimisiún na Scrúduithe Stáit
State Examinations Commission

Junior Certificate Examination, 2021

Materials Technology Wood
Coursework - Design Briefs

Ordinary Level and Higher Level
200 marks

The Design Briefs for the Certificate Examinations 2021 are given overleaf.

THE COURSEWORK MUST BE COMPLETED BEFORE 16th APRIL 2021

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 **16th April 2021**.
4. Your **Examination Number** should be written clearly on both the completed artefact and on the design folio.

Coursework 2021 - Design and Realisation

Design Briefs - Ordinary Level

1. Design and make an attractive clock.

Your clock should be crafted from suitable woods. It should be compact and elegant and designed to complement its surroundings.

The maximum dimension of your artefact must not exceed 300mm.

2. Music is important in the life of young people.

Design and make a decorative artefact to reflect an aspect of music that appeals to you. Your artefact should be well made and attractive in appearance.

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

3. Design and make a compact and elegant jewellery stand.

Your stand should be handcrafted from solid wood and should be designed to display jewellery in a pleasing manner.

The maximum dimension of your artefact must not exceed 300mm.

Design Briefs - Higher Level

1. A small chair-side stand is often useful when relaxing.

Design and make a stand suitable for use by a person when seated. Your artefact should be designed to be freestanding, compact, and should incorporate an open storage facility for a small number of items. Your artefact should exhibit skilful handcraft in wood.

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

2. The dedication and contribution of frontline and essential workers is valued in our society.

Design and make a decorative artefact which could be presented to a person or group in appreciation of their support of others. Your artefact should reflect the noble human attributes of caring, compassion and selflessness. A variety of carefully chosen solid woods, complemented by a range of handcraft skills, should enhance your design.

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

3. Home baking is a popular family pastime.

Design and make a compact and elegant artefact to display a small range of baked goods on a table. Your artefact should provide an attractive tiered display of the baked goods and should be designed to be aesthetically pleasing. Your design must incorporate solid wood and have an appropriate applied finish.

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.

