



***Junior Certificate Examination, 2019***

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

*Ordinary Level and Higher Level*  
*200 marks*

*The Design Briefs for the Certificate Examinations 2019 are given overleaf*

**THE COURSEWORK MUST BE COMPLETED BEFORE 12 APRIL 2019**

## 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 **12 April 2019**.
4. Your **Examination Number** should be written clearly on both the completed artefact and on the design folio.

# Coursework 2019 - Design and Realisation

## ***Design Briefs - Ordinary Level***

**1. Design and make a compact artefact to store three small handheld gardening items.**

Your artefact should be portable and reflect a nature theme.

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

**2. Animated movies have entertained audiences for many years.**

Design and make a decorative artefact to celebrate your favourite animated movie. Your artefact should exhibit skilful handcraft in wood.

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

**3. Design and make an attractive wall-mounted artefact on which to hang four coats.**

Your artefact should incorporate curves and should showcase your handcraft skills. It should reflect a theme of your choice.

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

## ***Design Briefs - Higher Level***

**1. Wood is an ideal medium from which to handcraft beautiful items of unique design and function.**

Design and make a distinctive artefact for the neat storage of newspapers, magazines or other printed material. Your artefact should include an innovative secondary function and should showcase a range of your handcraft skills.

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

**2. Young people share global concerns about the health and sustainability of our oceans and seas.**

Design and make an elegant artefact that evokes the beauty and diversity of our oceanic habitats. Your design should reflect the importance of protecting and preserving our fragile oceans. A variety of carefully chosen hardwoods, complemented by a range of handcraft skills, should enhance your design.

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

**3. Cherished items are often simple, cleverly conceived, well crafted and beautiful in appearance.**

Design and make a slimline unit to hold a variety of small personal items in a young person's room. Your artefact should be designed to be wall or corner mounted and should incorporate distinct spaces to facilitate neat organisation. Handcrafted joints should be a distinctive feature of your artefact.

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

**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
<b>Folio Total</b>	<b>50</b>	<b>70</b>
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
<b>Realisation Total</b>	<b>150</b>	<b>130</b>
<b>TOTAL</b>	<b>200 marks</b>	<b>200 marks</b>

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

