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

<table>
<thead>
<tr>
<th>Marking Headings</th>
<th>Ordinary Level</th>
<th>Higher Level</th>
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</thead>
<tbody>
<tr>
<td>Analysis of Brief</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Investigation/Research</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Design Ideas/Solution</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>Sketches/Working Drawings</td>
<td>10</td>
<td>20</td>
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<tr>
<td>Evaluation</td>
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<td>10</td>
</tr>
<tr>
<td><strong>Folio Total</strong></td>
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<td><strong>70</strong></td>
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<tr>
<td>Fitness for Purpose</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Appropriate use of Materials</td>
<td>10</td>
<td>10</td>
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<tr>
<td>Creativity</td>
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<td>20</td>
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<tr>
<td>Demonstration of Skills</td>
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<td>40</td>
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<tr>
<td>Quality of Finish</td>
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<td>20</td>
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<tr>
<td>Overall Appearance</td>
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<td>20</td>
</tr>
<tr>
<td><strong>Realisation Total</strong></td>
<td><strong>150</strong></td>
<td><strong>130</strong></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>200 marks</strong></td>
<td><strong>200 marks</strong></td>
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A simple model of a design process is shown below.
It is recommended that you follow the sequence of such a design process.