



*Junior Certificate Examination 2009*

*Materials Technology Wood*  
*Project - Design Briefs*

*Ordinary Level and Higher Level*  
*200 marks*

*The Design Briefs for the Certificate Examinations 2009 are given overleaf*

**THE PROJECT MUST BE COMPLETED BEFORE 24 APRIL 2009**

## NOTICE TO EACH CANDIDATE:

1. **The project you submit for assessment must be your own individual work.**
2. **It must be executed in school under the supervision of your teacher.**  
If you submit a project which cannot be authenticated by your teacher, you will not receive any marks for either the artefact or the design folio.
3. **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.
4. **You must submit a separate, distinct project – artefact and design folio.**

## INSTRUCTIONS TO CANDIDATES:

1. Select **one** project from either the Higher Level or Ordinary Level design briefs opposite.
2. The completed project should be accompanied by a design folio which should include:
  - *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 project - both artefact and folio - must be available for assessment by **24 April 2009**.
4. Your **Examination Number** should be written clearly on both the completed artefact and the folio.

# PROJECT - DESIGN AND REALISATION

## *Design Briefs - Ordinary Level*

1. **Design and make a decorative artefact to display one small bathroom towel and which will neatly store three other towels.**

The artefact should be elegant in appearance and should reflect an aquatic theme.

2. **Design and make a decorative mirror which incorporates a theme to reflect your favourite pastime.**

The mirror should be elegant and attractive in appearance and should include an open storage facility to hold small personal items.

3. **Design and make a small decorative garden ornament to indicate wind direction.**

The artefact should be of robust construction and incorporate a theme based on Irish wildlife.

## *Design Briefs - Higher Level*

1. **A stool as an item of furniture has many uses.**

Design and make a sturdy and elegant stool for use in the home. The stool should be designed to have a secondary function specific to the area in which it is to be used. You should demonstrate how you considered your carbon footprint in the design, selection of materials and in the processes used in the manufacture of the stool.

2. **Many people partake in artistic or craft activities as a form of relaxation and as a means of expressing their creative talents.**

Design and make a decorative artefact to reflect a particular artistic or craft activity. The design idea should be inspired by the intrinsic beauty of wood and the artefact should be elegant to behold in a setting of your choice.

3. **Many young people like to sketch and paint.**

Design and make a small portable artefact for use when sketching and painting in an outdoor setting. The artefact should accommodate storage for sketching and painting materials and should be designed to incorporate an ergonomically suitable work surface.

**INFORMATION TO CANDIDATES**  
**Allocation of Marks - Ordinary Level and Higher Level**

<b>Marking Headings</b>	<b>Ordinary Level</b>	<b>Higher Level</b>
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.

