

# Wood Technology 2010 examination

## Study guide

### Introduction

Remember that an examination is only one component of your continuous assessment. While examinations are important, your Wood Technology examination should not be viewed as an obstacle but rather as an opportunity for you to express creatively your understanding of the course work.

So, chill a little, prepare wisely, ground yourself for concentration and be confident in your own ability. This outline aims to guide you in your study.

### Exam structure

The examination is in three sections and will last for one hour. Take with you pens, pencils rubber and ruler. You will also need a **geometry set** with set squares and a pair of **compasses**.

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|-------------|---|
| Section I   | 20 multiple choice questions worth one mark each. The questions will explore your understanding of the components of the stages of the Design Process, how you have applied this to your own designs. Knowledge of tools and materials used in Wood Technology will also be examined. |
| Section II  | Short answer questions based on a design in practice. Your knowledge of creating and dimensioning orthographic drawings and setting up materials cutting lists will be tested.  |
| Section III | Extended response question requiring you to use the design process to develop ideas to a design problem, particularly clarify the problem and generate ideas.   |

### The Design Process

#### Stage 1: **Clarify the problem**

Analyse the brief  
Consider all factors  
Criteria for success

#### Stage 2: **Investigate and research**

#### Stage 3: **Generate ideas**

Brainstorm using mind maps, word association, inspiration, lateral thinking.  
Thumbnail sketches: quick concept sketch to develop and progress your ideas.

#### Stage 4: **Choose the best solution**

Use PMIs to help select your best ideas and justify your final choice.

#### Stage 5: **Plan and produce**

Work out final design using scale drawings, material and cutting lists, making models and/or prototypes.

#### Stage 6: **Test and evaluate**

Test if your design works as intended and evaluate. Evaluate against the Criteria for Success.