

# Practical Woodworking

## National 4 & 5



### Possible further study and career routes :

- Joinery.
- Crafts
- Construction.
- Manufacturing.
- Engineering.
- Theatre. (Stage production)
- Visual arts.

# Woodworking Skills



## **Introduction:**

The Course is practical, exploratory and experiential in nature. It combines elements of technique and standard practice with elements of creativity.

The Course provides opportunities for learners to gain a range of practical woodworking skills and to use a variety of tools, equipment and materials. It allows them to plan activities through to the completion of a finished product in wood.

The Course will also give learners the opportunity to develop thinking, numeracy, and employability, enterprise and citizenship skills.

## **Course Aims:**

**The aims of the Course are to enable learners to develop: skills in woodworking techniques, skills in measuring and marking out timber sections and sheet materials, safe working practices in workshop environments, practical creativity and problem-solving skills and knowledge of sustainability issues in a practical woodworking context.**

## **Course Structure and Assessment:**

To gain the award of the Course, the learner must pass all of the Units as well as the Course assessment. Course assessment makes up 70% (70 marks) of the overall award and will be graded A –D, unlike unit/class work, which will be graded on a pass/fail basis. The remaining 30% (60 marks scaled down to 30 marks) of the course award comes from a written exam paper (1 hour duration) which tests the candidates knowledge and understanding of materials, tools and processes.

# National 4 Course



The Course consists of three Units and an added value unit namely;

## **Unit One: Flat-frame Construction**

There are three Outcomes to this Unit:

- 1 Prepare for flat-frame woodworking tasks
- 2 Construct a range of basic flat-frame woodworking joints
- 3 Assemble a flat-frame with four or more joints

## **Unit Two: Carcase Construction**

There are three Outcomes to this Unit:

- 1 Prepare for carcase construction woodworking tasks
- 2 Construct a range of basic woodworking joints used in carcase construction
- 3 Assemble a carcase with four or more joints

## **Unit Three: Machining and Finishing**

There are three Outcomes to this Unit:

- 1 Prepare for and use, a range of practical woodworking machining and finishing techniques
- 2 Apply a range of finishes to timber and manufactured board
- 3 Assemble a woodworking product comprising of four or more components with the aid of machine and power tools.

## **Added Value Unit: Making a Finished Product from Wood**

This Unit requires learners to draw on and extend their range of practical woodworking experiences and skills in order to produce an effective overall response to the task. The practical activity will be sufficiently open and flexible to allow for personalisation and choice.



# National 4 Assessment



The assessment of the Units in this Course will be as follows.

## **Unit One: Flat-frame Construction**

In this Unit, evidence will be required that the learner can produce basic flat-frame joints and assemblies to a given standard. Evidence of knowledge will also be required.

## **Unit Two: Carcase Construction**

In this Unit, evidence will be required that the learner can produce basic carcase constructions to a given standard. Evidence of knowledge will also be required.

## **Unit Three: Machining and Finishing**

In this Unit, evidence will be required that the learner can carry out simple machining and finishing to a given standard. Evidence of knowledge will also be required.

## **Added Value Unit: Making a Finished Product from Wood**

In the National 4 Practical Woodworking Course, the Added Value Unit will focus on:

- Challenge
- Application

The learner will draw on, extend and apply the skills and knowledge they have developed during the Course. This will be assessed through a practical activity which involves producing a finished product in wood to a given standard. The task will be sufficiently open and flexible to allow for personalisation and choice and for learners to demonstrate practical creativity.

At National 4, added value will be assessed in an Added Value Unit. The Added Value Unit will address the key purposes and aims of the Course, as defined in the Course rationale. It will do this by addressing one or more of breadth, challenge or application.

# National 5 Course



The Course consists of three skill set areas as well as an added value unit and a written exam namely;

## **Flat-frame Construction**

There are three Outcomes to this work:

- 1 Prepare for flat-frame woodworking tasks
- 2 Construct a range of basic flat-frame woodworking joints
- 3 Assemble a flat-frame with four or more joints

## **Carcase Construction**

There are three Outcomes to this work:

- 1 Prepare for carcass construction woodworking tasks
- 2 Construct a range of basic woodworking joints used in carcass construction
- 3 Assemble a carcass with four or more joints

## **Machining and Finishing**

There are three Outcomes to this work:

- 1 Prepare for and use, a range of practical woodworking machining and finishing techniques
- 2 Apply a range of finishes to timber and manufactured board
- 3 Assemble a woodworking product comprising of four or more components with the aid of machine and power tools.



# National 5 Assessment



The content of this Course will be as follows.

## **Flat-frame Construction**

In this part of the course, evidence will be required that the learner can produce basic flat-frame joints and assemblies to a given standard. Evidence of knowledge will also be required.

## **Carcase Construction**

In this part of the course, evidence will be required that the learner can produce carcass constructions to a given standard. Tasks will include some complex features. Evidence of knowledge and understanding will also be required.

## **Machining and Finishing**

In this part of the course, evidence will be required that the learner can carry out machining and finishing to a given standard. Tasks will include some complex features. Evidence of knowledge and understanding will also be required.

## **Course Assessment**

At National 5, the added value will be assessed by a **Practical Assessment (70%)** and a **Written Exam (30%)**. The added value for the Course must address the key purposes and aims of the Course as defined in the Course Rationale. It will do this by addressing one or more of breadth, challenge or application.

In the National 5 Practical Woodworking Course, added value will focus on:

- Challenge
- Application

The learner will draw on, extend and apply the skills and knowledge they have developed during the Course. This will be assessed through a practical activity which involves producing a finished product in wood to a given standard. The task will be sufficiently open and flexible to allow for personalisation and choice and for the learners to demonstrate practical creativity.

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