

SUBJECT NAME: PRACTICAL WOODWORKING

AWARD RECEIVED NATIONAL 5 or NATIONAL 4

The National 5 Practical Woodworking course provides opportunities for you to gain a range of theoretical and practical woodworking skills.

The course enables you to develop:

- woodworking techniques
- measuring and marking out timber sections and sheet materials
- safe working practices in workshop environments
- practical creativity and problem-solving skills
- sustainability issues in a practical woodworking context

ENTRY LEVEL – What do I need to do it?

The National 4/5 course will allow you to further enhance your knowledge and abilities within the practical technologies, building on the craft skills you have developed in S1 core technologies and the S2-3 Practical & Vocational Skills elective course. Ideally you will have completed the S2-3 PVS elective course, however, those students who have not followed the PVS elective course, but who are keen to explore and develop their practical skills in are welcome to join the course.

COURSE CONTENT – What will I learn?

The Practical Woodworking course develops skills in three main areas. Each area provides opportunities for you to demonstrate safe working practices and good practice in recycling and sustainability within the workshop environment. Each area of study covers a different set of woodworking skills. All areas include skills and associated knowledge in reading and interpreting working drawings, measuring and marking out, along with cutting and jointing techniques.

Machining and finishing: In this area, you will develop skills, knowledge and understanding in the safe use of machine and power tools. You will also develop and demonstrate your skills in a variety of woodworking surface preparations and finishing techniques.

Carcase construction: This area allows you to develop skills, knowledge and understanding in the use of tools and in the manufacture of joints and assemblies commonly used in carcass construction, involving complex features. You will develop your ability to read and use drawings and diagrams depicting both familiar and unfamiliar woodwork tasks.

Flat-frame construction: Here you will develop skills, knowledge and understanding in the use of tools and in the making of joints and assemblies commonly used in flat-frame joinery, again involving complex features. You will use your ability to read working drawings and diagrams in both familiar and unfamiliar contexts that may require some interpretation on your part.

TEACHING METHODS – What will I do?

The course is by its nature highly practical, exploratory and experiential. and you will spend the majority of your time in the workshop developing your practical skills through a number of tasks. Other teaching methods may include:

- Class discussion
- Written tasks
- Group work

ASSESSMENT

At National 5 level, you will be expected to complete and submit a range of practice joints/test pieces and 'unit project' for each area of study throughout the year. You will also undertake a class tests for each area in order to inform your next steps for learning as you progress through the course.

Assessment tasks will likely be drawn from one or more of the following practical models*:

Machining & Finishing – Safely use a variety of machine and power tools to manufacture a passive speaker and elements of a tool tray involving wood turnery.

Carcase Construction – Manufacture and assemble the remaining components of the tool tray using carcass joinery techniques, demonstrating safe working practices.

Flat-Frame Construction – Manufacture a book/tablet stand using flat-frame joinery, demonstrating independence and safe working practices.

At the end of the National 5 course you will complete a practical activity (70 marks) which requires you to apply skills and knowledge developed during the course to produce a finished product to a given standard and specification, this element will be both externally set, but internally marked. You will also sit an externally set and marked question paper (60 marks, scaled to 30 marks for certification)

National 4 students must also complete a range of practice joints along with a practical model to generate evidence for each unit in order to gain the course award at this level. At National 4 level you will complete an Added Value Unit requiring you to produce a finished product to an appropriate standard for National 4.

All students will be encouraged to work towards the National 5 qualification, with an option to complete the course at National 4 level if it becomes evident that this is a more appropriate level of study.

HOMEWORK

You will be expected to completed homework tasks to consolidate your knowledge of woodworking techniques, tools and materials, and safe working practices. Due to the practical nature of the course, it is expected that students who are absent from workshop periods attend catch-up sessions that the department will arrange to allow you to complete this work should you require it.

PROGRESSION IN THE SENIOR PHASE

Success at National 4 will allow you to progress to the National 5 Practical Woodworking course.

Success at National 5 will allow you to progress to the National 5 Practical Metalworking course.

Students may also consider moving sideways to courses in National 4/5 Design & Manufacture and/or National 4 Construction Crafts.

COURSE COSTS

The National 4/5 Practical Woodworking course has a cost of £25 associated with it contributing towards the cost of resistant materials consumed in the course.

*Note: Practical models are subject to change