

DEPARTMENT: DESIGN & TECHNOLOGY

TITLE OF COURSE: PRACTICAL WOODWORKING

LEVEL: NATIONAL 4

RECOMMENDED ENTRY LEVELS:

CfE Level 4 Design & Practical Skills

COURSE CONTENT

A predominantly practical subject where pupils will develop skills in dexterity, manipulation and safe working practises through manufacture of quality artefacts using hand and machine tools. Pupils will become familiar with specialist machines, tools and materials and will develop practical skills as well as a firm understanding of procedures in manufacture.

This course consists of four units:

UNIT 1	Flat Frame Construction
UNIT 2	Carcase Construction
UNIT 3	Machining and Finishing
UNIT 4	Added Value Unit – Woodworking project

METHODOLOGY

In a workshop environment pupils will make a variety of items to exacting requirements and tolerances. Pupils will learn through demonstrations, individual, pair and group work, developing confidence in evaluating their own work and that of their peers. Pupils will learn to extract information from working drawings provided and through classroom discussion will develop a method of construction for each project.

The **aims** of the course are to:

- Develop practical skills in the creation of woodworking artefacts to strict dimensional tolerances
- Develop abilities in reading and understanding working drawings
- Develop knowledge, understanding and general skills relating to practical activities including hand and machine tools
- Develop skills in independent working, problem solving and planning
- Develop knowledge in the importance of safe working practices and encouraging responsible attitudes in a practical environment

ASSESSMENT

Units are assessed through the completion of project activities against the following criteria:

- Accuracy of measuring and marking
- Accuracy of cutting and fitting
- Quality of finish
- Level of independence
- Upkeep of a logbook