

PEARSON VOCATIONAL EDUCATION

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# JOINERY AND CABINET MAKING

PEARSON VOCATIONAL EDUCATION



**Levels 1–4  
Student's Book**



# Understanding the layout of the Joinery and Cabinet Making content

The content of this title covers the curriculum requirements of Joinery and Cabinet Making Levels 1 to 4.

The authors have organised the content into logical modules and units starting from the simple concepts and building to the more complex.

The content is not presented as individual Unit Standards as this would encourage learning and training for testing purposes. Instead, the content takes you, the student, on a journey through the theoretical basics of the Joinery and Cabinet Making environment to complex practical procedures.

## Modules 1 to 5 concentrate on theoretical aspects that will be applied in all practical contexts:

- Module 1 describes properties of timber and allows you to identify types of timber defects, timber diseases and wood pests. You will learn how to apply correct methods of handling and storing sawn timber, identify veneers and manufactured boards. You are expected to apply this knowledge in all practical contexts.
- Module 2 concentrates on the correct transportation and storage of materials and finished products. You are expected to apply this knowledge in all practical contexts.
- Module 3 prepares you to plan and prepare for work. You are expected to apply this knowledge in all practical contexts.
- Module 4 introduces hand tools that could be used in the Joinery and Cabinet Making environment. You will learn to identify the tools, the uses, maintenance and storage. You are expected to apply this knowledge when required to select and use tools for practical projects.
- Module 5 introduces power tools and machines that could be used in the Joinery and Cabinet Making environment. You will learn to identify the power tools and machines and the uses. You are expected to apply this knowledge when required to select and use power tools and machines for practical projects.

## Modules 6 to 8 concentrate on practical aspects that are applicable to all practical projects:

- Modules 6 concentrates on simple and complex timber joints. These joints could be made by hand or machine. You are expected to apply this knowledge whenever you need to select which joint to make, and make a joint as part of a practical project.
- Module 7 introduces you to technical drawing. By the end of this module you will be able to use, maintain and store drawing instruments, read and interpret a variety of drawings and produce your own drawings. You are expected to apply this knowledge whenever interpreting or preparing drawings is required.
- Module 8 introduces you to computer-aided drawings (CAD). As there are many different CAD software programmes available, how to use the software is not covered. The aim of the module is to give tips and guidance to you on how best to approach CAD and use the software available to you.

## The next two modules deal with basic design ideas and estimating, measuring and calculations applicable to the Joinery and Cabinet Making environment.

- Module 9 introduces principles of design and the background needed for you to start designing your own furniture. Once you understand these principles, you should be able to adapt what you have learned and design any furniture pieces you desire.
- Module 10 exposes you to the essentials of correct measurement, material calculations and the estimation of project and production costs. You will be expected to use this knowledge in all projects where measurements and calculations are required.

## Modules 11 to 20 deal with many different practical aspects of the Joinery and Cabinet Making environment. You will start by manufacturing basic products, progressing to undertaking complex projects.

- Module 11 details preparing components, assembling and then finishing manufactured products. If you are able to manufacture these basic products successfully, you should be able to apply this knowledge to more complex projects.
- Module 12 explains all aspects regarding the finishing of manufactured products, whether simple or complex. You are expected to apply this knowledge appropriately whenever an item needs finishing.
- Module 13 covers built-in furniture. You will learn how to install completed pieces before learning how to manufacture and install your own more complex pieces.
- Module 14 details manufactured furniture. You will learn how to prepare components and then assemble and finish the final product. Combine this knowledge with your exposure to design elements, and you should be able to design and make your own furniture pieces.
- Module 15 introduces decoration methods of completed furniture. You are expected to be able to apply these methods to any furniture you manufacture.
- Module 16 explains the manufacture of doors, doorframes, windows and window frames.
- Module 17 details glazing. When you have completed this module, you will be able to select the appropriate glass for the intended purpose and perform glazing.
- Module 18 explains how to manufacture wooden stairs. You will learn how to assemble and install manufactured stairs and manufacture and install straight and curved stairs.
- Module 19 details the installation of suspended, gypsum, wooden ceilings and create trapdoors and ceiling insulation.
- Module 20 explains how to set out a subfloor frame, mount timber bearers and install wooden flooring.

## The final module addresses renovating timber products.

- Module 21 explains how to identify defects and damage and then restore timber products.

*The Joinery and Cabinet Making journey is now complete!*