



Australian Government

MSFFP2020 Undertake a basic furniture making project

Release: 1

MSFFP2020 Undertake a basic furniture making project

Modification History

Release 1. Changes to code, application, elements, performance criteria, assessment requirements. Foundation skills added. Range of conditions removed. Assessment requirements changed.

Application

This unit describes the skills and knowledge required to plan and undertake a project to make a basic item of furniture. Learners with his competency have basic skills to support further study or entry-level work in furnishing and furniture making industries. This unit is usually delivered within a pre-employment training program.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Competency Field

Furniture Making Pathways

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Research furnishing materials and components	1.1 Determine materials that are appropriate for furnishing projects 1.2 Describe advantages and disadvantages of different furnishing materials 1.3 Identify and source commonly available hardware 1.4 Identify and research different methods used to join timber and engineered board 1.5 Describe advantages and disadvantages of different joining methods
2. Develop a furnishing-based project	2.1 Select a project that can be completed within time and resource constraints 2.2 Determine types of material required for project 2.3 Calculate amount of material and components required 2.4 Develop project scope and gain approval for project
3. Determine drawing	3.1 Research different methods of producing drawings

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
requirements	3.2 Decide whether drawings will be produced using computer-aided design (CAD) or manual methods 3.3 Decide on appropriate dimensioning methods for drawings produced 3.4 Decide on methods and conventions for naming and saving new or modified drawings
4. Create project drawings	4.1 Produce project drawings 4.2 Review drawings with trainer/instructor and peers 4.3 Modify drawings as required in response to feedback provided 4.4 Produce items and materials list using CAD software or other means
5. Plan the manufacture of the product	5.1 Determine machines, tools and equipment required for product manufacture and work health and safety (WHS) and personal protective equipment (PPE) requirements 5.2 Determine sequence of component manufacture and measures needed to protect manufactured components from damage 5.3 Develop sequence for assembly of project 5.4 Get advice and approval for project and plan
6. Manufacture the product	6.1 Follow safe work practices and procedures 6.2 Comply with WHS requirements at all times 6.3 Use appropriate PPE in accordance with procedures 6.4 Manufacture and store components and acquire stock components according to developed plan 6.5 Assemble product according to developed and approved plan using appropriate hand and power tools and equipment 6.6 Check for conformance to requirements throughout manufacture and assembly process
7. Complete work requirements	7.1 Clear work area of waste and clean according to requirements 7.2 Maintain and/or store machines, tools and equipment according to instructions

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to undertake research on furnishing materials
- Writing skills to record project sequences, create lists of project requirements, and label drawings
- Oral communication skills to use questioning and active listening to obtain feedback
- Numeracy skills to assess material quantity requirements
- Technology skills to undertake online research and to understand principles of CAD software.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Release 1. Supersedes and is equivalent to MSFFP2001 Undertake a basic furniture making project.

Links

Companion Volume implementation guides are found in VETNet –

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>

Assessment Requirements for MSFFP2020 Undertake a basic furniture making project

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- research, plan and complete a furniture making project, including
 - estimating the material, skill and time requirements for at least 1 of the following projects
 - lamp table
 - hall table
 - bedside table
 - occasional table
 - hat stand
 - dining chair
 - writing desk
 - blanket box
 - ottoman
 - choosing a project (not required to be one of the above) that is achievable given material, skill and time constraints
 - selecting furnishing materials and calculating quantities needed, including at least 1 of the following:
 - timber
 - engineered board
 - composite materials
 - upholstery foams
 - glass
 - textiles
 - metal
 - pre-machined components
 - selecting hardware and calculating quantities needed, including at least 1 of the following:
 - hinges
 - knockdown fittings

- handles
- screws
- staples
- nails/upholstery tacks
- drawer runners and fixtures
- lock
- determining appropriate joining methods, including at least 1 of the following:
 - knock down fittings
 - nails
 - screws
 - gluing
 - biscuits
 - timber joints
 - dowels
 - dominoes
- producing drawings of the project product and its components
- planning sequence of manufacture
- producing components
- assembling project, including using tools and equipment in a safe and effective manner
- inspecting finished project against quality requirements
- tidying/cleaning work area as appropriate
- returning tools, equipment and project items to designated storage areas and/or conditions.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- basic online research techniques and sources of information on furnishing projects, materials and components
- furnishing drawing practices
- tools and equipment, including personal protective equipment (PPE), commonly used in furniture making
- safe work practices and procedures in a furniture making environment, including use of PPE
- methods of joining timber and engineered board.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - tools, equipment and materials, including PPE, required for performance evidence

- procedures for work health and safety.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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