



Australian Government

Department of Education, Employment and Workplace Relations

CUESET05B Apply set construction techniques

Release: 1

CUESET05B Apply set construction techniques

Modification History

Not applicable.

Unit Descriptor

This unit describes the skills and knowledge to apply basic carpentry skills to the construction of sets within any production in the cultural industries. As such it focuses on the particular materials and techniques used to create simple set elements such as flats and treads. A person working under supervision would generally undertake this role. Skills working with hand and power tools would be required to complete this unit.

This unit describes the skills and knowledge to apply basic carpentry skills to the construction of sets within any production in the cultural industries. As such it focuses on the particular materials and techniques used to create simple set elements such as flats and treads. A person working under supervision would generally undertake this role. Skills working with hand and power tools would be required to complete this unit

Application of the Unit

Not applicable.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

Not applicable.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

Elements and Performance Criteria

Element	Performance Criteria
1 Select equipment and materials for set construction	<ul style="list-style-type: none">1.1 Liaise with supervisor to determine the nature of set construction requirements1.2 Correctly identify and select appropriate materials for set construction in accordance with supervisor's instructions1.3 Calculate correct quantities of materials required and minimise waste where possible1.4 Select appropriate equipment and tools in accordance with materials being used and type of set construction required
2 Use set construction techniques	<ul style="list-style-type: none">2.1 Correctly use techniques to construct set elements2.2 Complete the set construction process in a logical manner2.3 Follow appropriate safety procedures throughout the set construction process in accordance with organisational and legislative requirements2.4 Work co-operatively with other team members to ensure efficiency and quality in the set construction process2.5 Identify any problems with the set construction process promptly and take appropriate action within the scope of individual responsibility

Required Skills and Knowledge

Not applicable.

Evidence Guide

Underpinning skills and knowledge

Assessment must include evidence of the following knowledge and skills:

terminology used in set construction, including types of scenery, joints and fixing systems
stage geography terminology
particular types of materials used for set construction, rationale for selection of these materials and their properties, applications and durability
particular techniques used in set construction and rationale, including common types of joints and assembly techniques
safety issues associated with the construction of sets, including various fireproofing techniques for different materials
format and meaning of technical drawings used to inform set construction
organisational and legislative Occupational Health and Safety requirements, in particular with regard to safe manual handling techniques and working with hazardous substances
literacy skills sufficient to interpret safety instructions
numeracy skills sufficient to calculate quantities and take measurements.

Linkages to other units

This unit has linkages with a range of other general building and construction units and set construction units. It is strongly recommended that this unit be assessed with or after the following units:

BCGBM1005B - Carry out measurements and calculations or equivalent unit

MEM18.1AB - Use hand tools

Critical aspects of evidence

The following evidence is critical to the judgement of competence in this unit:

understanding of the properties, applications and durability of different types of materials that can be used to make set elements
correct and safe use of techniques to construct simple set elements.

Method and context of assessment

The assessment context must provide for:

practical demonstration of skills through construction of set elements on more than one occasion
completion of set construction tasks within realistic workplace timeframes.

Assessment may incorporate a range of methods to assess performance and the application of essential underpinning knowledge, and might include:

direct observation of the candidate using techniques to construct set elements
evaluation of items constructed by the candidate in terms of quality finishing and appropriate structural soundness
oral or written questioning to assess knowledge of set construction and stage geography terminology
portfolios of evidence and third party workplace reports of on-the-job performance by the candidate.

Assessment methods should closely reflect workplace demands and the needs of particular groups (e.g. people with disabilities, and people who may have literacy or numeracy difficulties such as speakers of languages other than English, remote communities and those with interrupted schooling).

Resource requirements

Assessment of this unit requires access to:
materials, tools and equipment required to construct simple set elements
a workspace in which construction can take place.

Key competencies in this unit

Key competencies are built into all workplace competencies. The table below describes those applicable to this unit. Trainers and assessors should ensure that they are addressed in training and assessment.

Level 1 = Perform

Level 2 = Administer and Manage

Level 3 = Design and Evaluate

Collecting, organising and analysing information (1)

Working out quantities of materials required.

Communicating ideas and information (1)

Asking for directions from supervisor.

Planning and organising activities (1)

Organising tools and equipment for a specific job.

Working with others and in teams (1)

Discussing task allocation with colleagues.

Using mathematical ideas and techniques (1)

Taking measurements.

Solving problems (1)

Identifying the need for adjustments.

Using technology (1)

Using power tools.

Underpinning skills and knowledge

Assessment must include evidence of the following knowledge and skills:

terminology used in set construction, including types of scenery, joints and fixing systems
stage geography terminology

particular types of materials used for set construction, rationale for selection of these materials
and their properties, applications and durability

particular techniques used in set construction and rationale, including common types of joints
and assembly techniques

safety issues associated with the construction of sets, including various fireproofing
techniques for different materials

format and meaning of technical drawings used to inform set construction

organisational and legislative Occupational Health and Safety requirements, in particular with
regard to safe manual handling techniques and working with hazardous substances

literacy skills sufficient to interpret safety instructions

numeracy skills sufficient to calculate quantities and take measurements.

Linkages to other units

This unit has linkages with a range of other general building and construction units and set
construction units. It is strongly recommended that this unit be assessed with or after the
following units:

BCGBM1005B - Carry out measurements and calculations or equivalent unit

MEM18.1AB - Use hand tools

Critical aspects of evidence

The following evidence is critical to the judgement of competence in this unit:

understanding of the properties, applications and durability of different types of materials that can be used to make set elements

correct and safe use of techniques to construct simple set elements.

Method and context of assessment

The assessment context must provide for:

practical demonstration of skills through construction of set elements on more than one occasion

completion of set construction tasks within realistic workplace timeframes.

Assessment may incorporate a range of methods to assess performance and the application of essential underpinning knowledge, and might include:

direct observation of the candidate using techniques to construct set elements

evaluation of items constructed by the candidate in terms of quality finishing and appropriate structural soundness

oral or written questioning to assess knowledge of set construction and stage geography terminology

portfolios of evidence and third party workplace reports of on-the-job performance by the candidate.

Assessment methods should closely reflect workplace demands and the needs of particular groups (e.g. people with disabilities, and people who may have literacy or numeracy difficulties such as speakers of languages other than English, remote communities and those with interrupted schooling).

Resource requirements

Assessment of this unit requires access to:

materials, tools and equipment required to construct simple set elements

a workspace in which construction can take place.

Key competencies in this unit

Key competencies are built into all workplace competencies. The table below describes those applicable to this unit. Trainers and assessors should ensure that they are addressed in training and assessment.

Level 1 = Perform

Level 2 = Administer and Manage

Level 3 = Design and Evaluate

Collecting, organising and analysing information (1)

Working out quantities of materials required.

Communicating ideas and information (1)

Asking for directions from supervisor.

Planning and organising activities (1)

Organising tools and equipment for a specific job.

Working with others and in teams (1)

Discussing task allocation with colleagues.

Using mathematical ideas and techniques (1)

Taking measurements.

Solving problems (1)

Identifying the need for adjustments.

Using technology (1)

Using power tools.

Range Statement

The following explanations identify how this unit may be applied in different workplaces, sectors and circumstances.

Set construction techniques at this level would generally involve construction of the following:

flats
treads
braces
flown pieces
doors built into a flat
windows built into a flat.

Set materials may include:

timber
timber products
particle board
craftwood, Masonite, plywood
metal products, e.g. bars, tubes, sheets, moulded or cast metal
fibreglass, canvas and other fabrics
plastics, e.g. moulded
sheet
fabric
paper
fasteners
adhesives.

Appropriate techniques may include:

timber construction techniques, e.g. cutting
joining
fastening
gluing
metalworking, e.g. welding, cutting.

Occupational and public health and safety legislative requirements may include:

Commonwealth, State and Territory Occupational Health and Safety regulations
relevant national and international standards, guidelines and codes of practice, e.g. the Building Code of Australia
relevant local government legislation and regulation.

The following explanations identify how this unit may be applied in different workplaces, sectors and circumstances.

Set construction techniques at this level would generally involve construction of the following:

flats
treads
braces
flown pieces
doors built into a flat
windows built into a flat.

Set materials may include:

timber

timber products
particle board
craftwood, Masonite, plywood
metal products, e.g. bars, tubes, sheets, moulded or cast metal
fibreglass, canvas and other fabrics
plastics, e.g. moulded
sheet
fabric
paper
fasteners
adhesives.

Appropriate techniques may include:

timber construction techniques, e.g. cutting
joining
fastening
gluing
metalworking, e.g. welding, cutting.

Occupational and public health and safety legislative requirements may include:

Commonwealth, State and Territory Occupational Health and Safety regulations
relevant national and international standards, guidelines and codes of practice, e.g. the
Building Code of Australia
relevant local government legislation and regulation.

Unit Sector(s)

Not applicable.