APPLY WORKSHOP TECHNOLOGY PRACTICES

UNIT CODE: CON/OS/BUT/CC/02/4/A

UNIT DESCRIPTION

This unit describes the competence in applying workshop technology practices. It entails performing masonry, plumbing and carpentry tasks.

ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
These describe the key outcomes which make up workplace function	These are assessable statements which specify the required level of performance for each of the elements. *Bold and italicized terms are elaborated in the Range*
1 Perform masonry tasks	1.1 Safety requirements in the workshop environment are identified 1.2 *Masonry hand tools* are used appropriately to perform tasks in masonry workshop 1.3 *Masonry machine tools* are used appropriately to perform tasks in masonry workshop 1.4 Masonry tools used in construction works are maintained as per manufacturer's specifications
2 Perform plumbing tasks	2.1 Safety requirements in the workshop environment are identified 2.2 *Plumbing hand tools* are used appropriately to perform tasks in plumbing workshop 2.3 *Plumbing machine tools* are used appropriately to perform tasks in plumbing workshop 2.4 Plumbing tools used in construction works are maintained as per manufacturer's specifications
3 Perform carpentry tasks	3.1 Safety requirements in the workshop environment are identified 3.2 *Carpentry hand tools* are used appropriately to perform tasks in carpentry workshop 3.3 *Carpentry machine tools* are used appropriately to perform tasks in carpentry workshop

	3.4 Carpentry tools used in construction works are maintained as per manufacturer's specifications

RANGE

This section provides work environments and conditions to which the performance criteria apply. It allows for different work environments and situations that will affect performance.

Variable	Range
1. Masonry hand tools may include but is not limited to:	- Masons trowel - Wood float - Cold chisels - Masons square - Spade - Shovel - Plumb bob
2. Masonry machine tools may include but is not limited to:	- Concrete mixer - Block cutter - Vibrator - Pneumatic hammer - Compactors
3. Plumbing hand tools may include but is not limited to:	- Bench shears - Anvil - Pipe wrench - Pliers
4. Plumbing machine tools may include but is not limited to:	- Bending machine - Welding - Sheet metal holding machine - Portable power drill - Hand grinder
5. Carpentry hand tools may include but is not limited to:	- Saws - Planes - Hammer - Carpenter square - Marking gauges

	• Hand drill • Screw drivers
6. Carpentry machine tools may include but is not limited to:	• Circular saw • Thicknesser • Portable sander • Close cut saw • Portable drill machine
7. Conventional tools may include but is not limited to:	• Screw driver • Pliers • Long nose • Side cutter

REQUIRED KNOWLEDGE
- Tools and equipment
- Safety regulations
- Mathematics
- Plumbing
- Masonry
- Mortar mixing
- Carpentry and joinery

SKILLS
- Analytical
- Critical thinking
- Problem solving
- Quality control

EVIDENCE GUIDE
This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range.

1. Critical Aspects of Competency	Assessment requires evidence that the candidate: 1.1 Identified safety requirements in the workshop environment 1.2 Performed masonry tasks 1.3 Performed plumbing tasks 1.4 Performed carpentry tasks 1.5 Appropriately used workshop tools
2. Resource Implications	The following resources should be provided:

		2.1 Practical projects
		2.2 Observation of work procedures
3.	Methods of Assessment	Competency may be assessed through:
		3.1 Written text
		3.2 Interview
		3.3 Observation
4.	Context of Assessment	Competency may be assessed
		4.1 On job
		4.2 Off job
		4.3 During Industrial Attachment.
5.	Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.