

WORKSHOP TECHNOLOGY

UNIT CODE: CON/CU/PL/02/4/A

Relationship to Occupational Standards

This unit addresses the unit of competency: Perform Workshop Processes

Duration of Unit: 20 hours

Unit Description

This unit covers the competencies required to perform workshop process. Competencies include observing workshop health and safety precautions, using, maintaining and storage of workshop tools, equipment and instruments, preparation of materials and supplies for plumbing works and carrying out workshop housekeeping activities.

Summary of Learning Outcomes

1. Observe workshop health and safety precautions
2. Use, care and maintenance of workshop tools, instruments and equipment
3. Prepare materials for plumbing works
4. Carry out workshop housekeeping activities

Learning Outcomes, Content and Suggested Assessment Methods:

Learning Outcome	Content	Suggested Assessment Methods
1. Observe workshop health and safety precautions	<ul style="list-style-type: none">• Health and safety in the workshop• Identification and use of PPEs• Standard operating procedure in PPE• Workshop rules and regulations• Plumbing workshop hazards and risks• First Aid	<ul style="list-style-type: none">• Practical Test• Oral questioning• Written tests• Interviewing• Third party report
2. Use, care and maintenance of workshop tools,	<ul style="list-style-type: none">• Workshop tools, instruments and equipment• Classification of workshop tools and	<ul style="list-style-type: none">• Practical Test• Oral questioning• Written tests

instruments and equipment	<p>equipment</p> <ul style="list-style-type: none"> • Uses of workshop tools, instruments and equipment • Care, maintenance and storage of workshop tools and equipment • Calibration and service of equipment 	<ul style="list-style-type: none"> • Interviewing • Third party report
3. Prepare materials and supplies for plumbing works	<ul style="list-style-type: none"> • Identification of plumbing materials and accessories • Estimation and measurement plumbing materials and accessories • Use of plumbing materials and accessories • Testing of plumbing works 	<ul style="list-style-type: none"> • Practical Test • Oral questioning • Written tests • Interviewing • Third party report
4. Carryout workshop housekeeping activities	<ul style="list-style-type: none"> • Meaning of housekeeping • Significance of housekeeping • Organization of the workshop • Waste management • Records keeping in the workshop 	<ul style="list-style-type: none"> • Practical Test • Oral questioning • Written tests • Interviewing • Third party report

Suggested Methods of Instruction

- Demonstration by trainer
- Practice by the trainee
- Field trips
- On-job-training
- Discussions

Recommended Resources

Tools <ul style="list-style-type: none">• Set of screw drivers• Pliers• hacksaw• snips	Materials and supplies <ul style="list-style-type: none">• pipes• sealants• Lubricants• caulking
Equipment <ul style="list-style-type: none">• PPE –hand gloves, dust coat, dust masks• Die stock• PPR machine• Pipe cutter• Pipe wrench	Reference materials <ul style="list-style-type: none">• SMM regulations• Organizational procedures manual

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