



REPUBLIC OF KENYA

COMPETENCY BASED CURRICULUM

FOR

CARPENTRY AND JOINERY

LEVEL 5

PROGRAMME CODE:0722 554B



TVET CDACC

**P.O BOX 15745-00100
NAIROBI**

TEMPORARY WORKS

UNIT CODE: CON/CU/CAJ/04/5/B

Relationship to Occupational Standards

This unit addresses the unit of competency: construct temporary works.

Duration of Unit: 75 hours

Unit Description

This Unit describes the competencies required to execute temporary works. It involves selecting, preparing and using materials, tools and equipment, constructing and dismantling trench timbering, constructing and dismantling building formwork/shuttering erecting and dismantling building scaffold and erecting and dismantling building shores

Summary of Learning Outcomes

1. Select, prepare and use materials, tools and equipment
2. Construct and dismantle trench timbering
3. Construct and dismantle building formwork/shuttering
4. Erect and dismantle building scaffold
5. Erect and dismantle building shores

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Select, prepare and use materials, tools and equipment	<ul style="list-style-type: none">• cutting list• economy in the use of materials, tools and equipment• types of tools and materials<ul style="list-style-type: none">• boards• nails• hammers• saws• tape measures• squares• observation of safety and precautions	<ul style="list-style-type: none">• Practical assignment• Oral Questioning• written
2. Construct and dismantle trench timbering	<ul style="list-style-type: none">• types of soil<ul style="list-style-type: none">• firm	<ul style="list-style-type: none">• Practical assignment• Oral Questioning

	<ul style="list-style-type: none"> • loose • water-logged • types of timber • construction tools and equipment • Personal protective equipment • Construction of trench timbering • dismantling trench timbering 	<ul style="list-style-type: none"> • Written Tests
3. Construct and dismantle building formwork/shuttering	<ul style="list-style-type: none"> • Types of formwork • Formwork dimensions • Personal protective equipment • Construction formwork for stairs • Oiling of timber formwork surface • Formwork is fixed into position • Dismantling of formwork 	<ul style="list-style-type: none"> • Practical assignment • Oral Questioning • Written Tests
4. Erect and dismantle building scaffold	<ul style="list-style-type: none"> • Scaffold systems • Personal protective equipment • Erection of scaffolds • Dismantling Scaffolds • Housekeeping procedures 	<ul style="list-style-type: none"> • Written Tests • Oral Questioning • practical assignment
5. Erect and dismantle building shores	<ul style="list-style-type: none"> • Type of shores • Shoring materials • Personal protective equipment • Erection of Shores • dismantling Shores 	<ul style="list-style-type: none"> • Written tests • Oral Questioning • practical assignment

Suggested Methods of Instruction

- Demonstration by trainer
- Practical work by trainee
- Demonstration videos
- Group discussions

Recommended Resources

Tools and equipment

- measuring and drawing tools
- carpentry and joinery tools and equipment
 - saws
 - hammers
 - tape measures

Materials and supplies

- Building Codes
- Timber
- Props
- Nails
- Ply wood

Personal protective equipment (PPEs)

- dust coat
- First aid kits
- Overalls
- Safety boots
- Safety goggles
- Helmets
- Gloves