



THE REPUBLIC OF KENYA

COMPETENCY BASED CURRICULUM

FOR

CARPENTRY AND JOINERY

KNQF LEVEL 4

ISCED PROGRAM CODE: 0722 354B



TVET CDACC

P.O BOX 15745-00100

NAIROBI

CONSTRUCTION OF TEMPORARY WORKS

UNIT CODE: CON/CU/CAJ/04/4/B

Relationship to Occupational Standards

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

Duration of Unit: 40 hours

Unit Description

This unit describes the competencies required to construct temporary works. It involves constructing and dismantling trench timbering, constructing and dismantling building formwork/shuttering, erecting, and dismantling scaffold, constructing and dismantling building shores,

Summary of Learning Outcomes

1. Construct and dismantle trench timbering
2. Construct and dismantle building formwork/shuttering
3. Erect and dismantle building scaffold
4. Erect and dismantle building shores

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Construct and dismantle trench timbering	<ul style="list-style-type: none">• Personal protective equipment• Trench timbering materials• Construction of trench timbering• Procedure of dismantling trench timbering• Housekeeping practices	<ul style="list-style-type: none">• Practical assignment• Oral• written
2. Construct and dismantle building formwork/shuttering	<ul style="list-style-type: none">• Observation of safety and precautions• Personal protective equipment• Formwork dimensions• Formwork types	<ul style="list-style-type: none">• Practical assignment• Oral• Written

	<ul style="list-style-type: none"> • Oiling timber formwork surface • Procedure of fixing formwork into position • Procedure of dismantling formwork • Housekeeping practices 	
3. Erect and dismantle building scaffold	<ul style="list-style-type: none"> • Observation of safety and precautions • Personal protective equipment • Types of scaffold system • Procedure of erecting scaffold • Inspection and commission of scaffolds • Procedure of dismantling scaffolds • Housekeeping procedure 	<ul style="list-style-type: none"> • Practical assignment • Oral • Written
4. Erect and dismantle building shores	<ul style="list-style-type: none"> • Observation of safety and precautions • Personal protective equipment • Shoring materials • Types of shores • Procedure of erecting shoring • Inspection and commission of shoring • Procedure of dismantling shoring • Housekeeping procedures 	<ul style="list-style-type: none"> • Written • Oral • practical assignment

Suggested Methods of Instruction

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

Recommended Resources

- measuring and drawing tools
- carpentry and joinery tools and equipment
- saws
- hammers
- tape measures
- Building Codes
- Timber
- Props
- Nails
- Plywood
- dust coat
- First aid kits
- Overalls
- Gum boots
- Safety goggles
- Helmets
- Gloves