



THE REPUBLIC OF KENYA

COMPETENCY BASED CURRICULUM

FOR

BUILDING TECHNOLOGY

KNQF LEVEL 6

ISCED PROGRAM CODE: 0732 554B



TVET CDACC

P.O BOX 15745-00100

NAIROBI

MASONRY UNITS

UNIT CODE:CON/CU/BUT/CR/03/6/B

Relationship to Occupational Standards

This unit addresses the unit of competency: Produce Masonry Units

Duration of Unit: 120 hours

Unit Description

This unit describes the competences required to manufacture masonry units. It involves producing masonry bricks, preparing concrete and clay products and dressing building stones

Summary of Learning Outcomes

1. Produce Masonry Bricks
2. Prepare concrete products
3. Dress building stones
4. Prepare clay products

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Produce Masonry Bricks	<ul style="list-style-type: none">• Woodwork• Building regulations• Soil mechanics/testing• Construction materials• Modelling and drying of bricks• Burning of bricks	<ul style="list-style-type: none">• Practical assignment/project• Oral Questioning• Written Tests
2 Prepare concrete products	<ul style="list-style-type: none">• concrete mould preparation• concrete constituents• Batching methods• ASTM Standards• Curing Concrete	<ul style="list-style-type: none">• Practical assignment/project• Oral Questioning• Written Tests
3 Dress building stones	<ul style="list-style-type: none">• Stone dressing tools• Building stones• Stone surface finish	<ul style="list-style-type: none">• Practical assignment/project• Oral Questioning• Written Tests
4.Prepare clay products	<ul style="list-style-type: none">• Clay products• Test of clay products	<ul style="list-style-type: none">• Written Tests• Oral Questioning

	<ul style="list-style-type: none"> • Packaging of clay products 	<ul style="list-style-type: none"> • Projects/practical assignment
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Suggested Methods of Instruction:

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

Recommended Resources

Tools and equipment

- Carpentry tools
- Soil testing tools and kits
- Masonry tools

Materials and supplies

- Clay
- Concrete constituents
- Water
- Packaging materials

Personal protective equipment (PPEs)

- Overalls
- Gum boots
- First aid kits
- Safety goggles
- Helmets
- Gloves
- Dust coats
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