



**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**

## **TIMBER FLOORS AND PREFABRICATED BUILDINGS**

**UNIT CODE:CON/CU/CAJ/CR/06/4/B**

### **Relationship to Occupational Standards**

This unit addresses the unit of competency: Construct timber floors and prefabricated buildings

**Duration of Unit:** 90 hours

### **Unit Description**

This unit describes the competences required to construct timber floors and prefabricated buildings. It entails interpreting structural drawing, selecting materials, tools and equipment, setting and constructing timber prefabricated structures, erecting the timber prefabricated structure, constructing timber floors and performing finishing activities.

### **Summary of Learning Outcomes**

1. Interpret structural drawing
2. Select materials, tools and equipment
3. Set and construct timber prefabricated structures
4. Construct timber floors
5. Perform finishing activities.

### **Learning Outcomes, Content and Suggested Assessment Methods**

<b>Learning Outcome</b>	<b>Content</b>	<b>Suggested Assessment Methods</b>
1. Interpret structural drawing	<ul style="list-style-type: none"><li>• Elevations</li><li>• Sections</li><li>• Scale</li><li>• Dimensions</li></ul>	<ul style="list-style-type: none"><li>• Written tests</li><li>• Oral</li><li>• Practical tests</li></ul>
2. Select materials, tools and equipment	<ul style="list-style-type: none"><li>• Materials required<ul style="list-style-type: none"><li>✓ Timber</li><li>✓ Nails and screws</li><li>✓ Bolts</li><li>✓ Nuts and washers</li></ul></li><li>• Tools and equipment required<ul style="list-style-type: none"><li>✓ Hammer</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Written tests</li><li>• Oral</li><li>• Practical tests</li></ul>

	<ul style="list-style-type: none"> <li>✓ Drills</li> <li>✓ Saws</li> <li>✓ Tape measure</li> </ul>	
3. Set and construct timber prefabricated structures	<ul style="list-style-type: none"> <li>• Setting out prefabricated structure</li> <li>• Erecting prefabricated structure</li> <li>• Fixing the prefabricated structure</li> </ul>	<ul style="list-style-type: none"> <li>• Written tests</li> <li>• Oral</li> <li>• Practical tests</li> </ul>
4. Construct timber floors	<ul style="list-style-type: none"> <li>• Laying out of joists</li> <li>• Strutting of the joists</li> <li>• Fixing of the floor boards</li> </ul>	<ul style="list-style-type: none"> <li>• Written tests</li> <li>• Oral</li> <li>• Practical tests</li> </ul>
5. Perform finishing activities	<ul style="list-style-type: none"> <li>• Procedure of finishing <ul style="list-style-type: none"> <li>✓ Smooth plane the boards</li> <li>✓ Sand the boards</li> <li>✓ Application of varnish</li> </ul> </li> <li>• Housekeeping procedures</li> </ul>	<ul style="list-style-type: none"> <li>• Written tests</li> <li>• Oral</li> <li>• Practical tests</li> </ul>

### **Suggested Delivery Methods**

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

### **Recommended Resources**

#### **Tools and equipment**

- Hammers
- Drills
- Saws
- Tape measures

#### **Materials and supplies**

- Timber
- Nails and screws

- Bolts
- Nuts and washers

**Personal protective equipment (PPEs)**

- Gum boots
- Helmets
- Gloves
- Dust coats
- First aid kits