



**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**

## JOINERS SECOND FIXING

**UNIT CODE:CON/CU/CAJ/CR/05/4/B**

### Relationship to Occupational Standards

This unit addresses the unit of competency: Perform joiners second fixing

**Duration of Unit:** 90 hours

### Unit Description

This unit describes the competencies required to perform joiners second fixing. It involves, interpreting architectural drawings, selecting materials, tools and equipment, performing fixing of the fixtures, examining the quality of the finished product and performing housekeeping.

### Summary of Learning Outcomes

1. Interpret architectural drawings
2. Select materials, tools and equipment
3. Perform fixing the fixtures
4. Examine the quality of the finished product
5. Perform work place housekeeping

### Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Interpret architectural drawings	<ul style="list-style-type: none"><li>• Elevations</li><li>• Sections</li><li>• Scales</li><li>• Dimensions</li></ul>	<ul style="list-style-type: none"><li>• practical assignment</li><li>• Written</li><li>• Oral</li></ul>
2. Select materials, tools and equipment	<ul style="list-style-type: none"><li>• Cutting list</li><li>• Materials requirement<ul style="list-style-type: none"><li>✓ Timber</li><li>✓ Wood glue</li><li>✓ Nails and screws</li></ul></li><li>• Tools and equipment<ul style="list-style-type: none"><li>✓ Hammers</li></ul></li></ul>	<ul style="list-style-type: none"><li>• practical assignment</li><li>• Written</li><li>• Oral</li></ul>

	<ul style="list-style-type: none"> <li>✓ Drills</li> <li>✓ Plugging chisels</li> <li>✓ Saws</li> <li>✓ Tape measures</li> </ul>	
3. Perform fixing the fixtures	<ul style="list-style-type: none"> <li>• Procedure of fixing fixtures <ul style="list-style-type: none"> <li>✓ Mark joints and cut</li> <li>✓ Mark and drill hole for plugs</li> <li>✓ Fix the plugs</li> <li>✓ Fix the fixtures</li> </ul> </li> <li>• Tools and equipment</li> </ul>	<ul style="list-style-type: none"> <li>• practical assignment</li> <li>• Written</li> <li>• Oral</li> </ul>
4. Examine the quality of the finished product	<ul style="list-style-type: none"> <li>• Quality of the joints</li> <li>• Final appearance</li> </ul>	<ul style="list-style-type: none"> <li>• practical assignment</li> <li>• Written</li> <li>• Oral</li> </ul>
5. Perform work place housekeeping	<ul style="list-style-type: none"> <li>• Housekeeping procedures <ul style="list-style-type: none"> <li>✓ Gather off-cuts</li> <li>✓ Gather wood shavings</li> <li>✓ Clean the floor</li> </ul> </li> <li>• Tools and equipment</li> </ul>	<ul style="list-style-type: none"> <li>• Practical assignment</li> <li>• Written</li> <li>• Oral</li> </ul>

### **Suggested Methods of Instruction**

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

### **Recommended Resources**

- Hammers

- Drills
- Plugging chisels
- Saws
- Tape measures
- Timber
  
- Wood glue
- Nails and screws
- Overall
  
- Helmet
- Safety boots
- Masks
- Gloves
- First aid kit
- Reflectors
- Safety goggles