THE KENYA NATIONAL JUNIOR EXAMINATIONS AND ASSESSMENT SERIES

KENYA JUNIOR SCHOOL EDUCATION ASSESSMENT

712/2:PRE-TECHNICAL STUDIES (*Project*)

TEACHER'S GUIDE AND CONFIDENTIAL

Project Title: *Design and Construct a Portable 3-Tier Fruit Rack*

A. GENERAL INSTRUCTIONS TO TEACHERS (Confidential)

1. **Supervision:**
   i. Teachers must guide learners without directly doing the work for them.
   ii. Monitor group collaboration and ensure fair participation of all group members.
2. **Assessment Setup:**
   i. Arrange students in groups of 4–5.
   ii. Each learner must demonstrate individual effort in the group work (e.g., cutting, measuring, sketching, spreadsheet editing).
3. **Materials to Provide or Approve (Locally Available):**
   i. Wood planks or strong cardboard
   ii. Nails/screws
   iii. Sandpaper
   iv. Measuring tape/ruler
   v. Glue
   vi. Small hammer
   vii. Hand saw
   viii. Chisel
   ix. Excel software (or LibreOffice Calc)
   x. Access to digital tools like laptops, tablets, or phones
4. **Tools Checklist for Learner Use (for Question 3):**
   i. Tape measure
   ii. Saw or tenon saw
   iii. Hammer
   iv. Chisel
   v. Sandpaper
   vi. Hand drill (optional but commendable)
   vii. Spirit level (optional but commendable)

C. ADDITIONAL REMARKS

- Encourage innovation: use of recycled materials, creative finishing (paint/varnish) may earn positive comments (no extra marks).
- The Excel task must show basic digital literacy—if offline, learners can draw the spreadsheet on paper.

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