

Candidate's Name		Assessment Number	
School Name		School Code	
Candidate's Signature		Date	

KENYA JUNIOR SCHOOL EDUCATION ASSESSMENT

912/2

PRETECHNICAL STUDIES (project)

PAPER 2

TERM 2 ENDTERM 2025

Time: 1 hour 40 minutes

Duration: 1 month

CBE

INSTRUCTIONS TO CANDIDATES

- ♣ You are supposed to work in groups of 4 to 5 learners.
- ♣ Each member of the group is expected to be actively involved in the implementation of the project.
- ♣ Use locally available materials in the implementation of the project as much as possible.
- ♣ In case of any clarification, seek help from your subject teacher.
- ♣ Your project will be assessed based on the criteria outlined in the tasks below.

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Task	Question Numbers	Maximum Score	Learner's Score
Task 1: Technical Skills	1, 2, 3, 4	14	
Task 2: Business/Entrepreneurship	5, 6	3	
Task 3: ICT/Computer Studies	7, 8	3	
TOTAL SCORE		20	

This paper consists of 3 printed pages.

Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

-PRETECHNICAL STUDIES-

PROJECT SCENARIO:

Your group has identified a need in the school or local community for a simple, useful product that can be made using readily available materials and basic workshop skills. You have decided to design, make, and plan the potential sale of a **Multi-purpose Desk Organizer** (e.g., for pens, pencils, small stationery, or even a phone/tablet/laptop).

TASK 1: Technical Skills (14 Marks)

1. Design and Planning:

- a) As a group, brainstorm and agree on a design for your multi-purpose desk organizer. Consider its shape, size, and the different compartments needed.
- b) Make a freehand pictorial sketch of your chosen design. The sketch should clearly show the overall appearance of the organizer and indicate approximate dimensions for the main parts. (4 marks) (*Space for sketch*)
- c) List the main materials you will use to construct the desk organizer. (2 marks)

2. Material Preparation and Tool Selection:

- a) Based on your chosen materials, list at least four appropriate hand tools you will need for marking, cutting, shaping, and joining the parts of your organizer. (4 marks)

Briefly describe one safety precaution you must observe when using one of the cutting tools you listed. (1 mark)

3. Construction:

- a) Carefully measure, mark out, and cut the pieces according to your design sketch using the selected tools.
- b) Assemble the cut pieces using appropriate joining methods (e.g., glue, nails, screws, interlocking parts).
- c) Apply a simple finish to your organizer (e.g., sanding, painting, varnishing) to improve its appearance and durability.
- d) **Submission:** Present your completed Multi-purpose Desk Organizer. (Marking will be based on accuracy of construction, quality of joints, and finish). (3 marks)

TASK 2: Business/Entrepreneurship (3 Marks)

5. Market and Pricing:

- a) Considering the materials used and the effort involved, suggest a reasonable selling price for your Multi-purpose Desk Organizer if you were to sell it to learners or teachers. (1 mark)

Selling Price: Ksh _____.

- b) State two qualities of your completed desk organizer that would make it attractive to potential buyers. (2 marks)
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TASK 3: Computer Studies (3 Marks)

7. Documentation and Presentation:

- a) Take clear photos or short video clips during the different stages of your project (design, cutting, joining, finishing). (1 mark)
- b) Create a simple electronic presentation (e.g., using presentation software or a shared document with images) or a digital poster showcasing the process of making your desk organizer and the final product. Include the photos/videos taken. (2 marks)