KENYA NATIONAL EXAMINATION AND ASSESSMENT PREDICTION SERIES

ENDTERM 2 ASSESSMENT 2025

GRADE 7

PRETECHNICAL STUDIES PAPER 2

MARKING SCHEME

PROJECT SCENARIO: Simple Pencil Holder

Objective: Design, make, and present a Simple Pencil Holder using basic, locally available materials.

TASK 1: Technical Skills (14 Marks)

1. Design and Planning:

a) **As a group, brainstorm and agree on a design for your simple pencil holder. Consider its shape and size.**
Guidance: Your group should discuss various shapes (cylindrical, rectangular, hexagonal, irregular) and sizes (tall enough for pencils, stable base). Consider using materials like:

i. Recycled plastic bottles (cut and decorated)
ii. Cardboard tubes (from tissue rolls, kitchen foil)
iii. Cardboard boxes (from cereals, shoes)
iv. Small wooden offcuts (if available and safe to work with).

Key points for a good design:

Stability, capacity, aesthetic appeal, ease of construction with chosen materials and tools.

b) **Make a freehand pictorial sketch of your chosen design. The sketch should clearly show how the pencil holder will look. (4 marks) * Model Sketch Description (since I cannot draw directly):**

Clarity:

The sketch should clearly represent the chosen shape (e.g., a cylinder with a stable base, or a rectangular box).

3D Representation: Use basic isometric or oblique drawing techniques to show three dimensions, making it look solid. **Detail:** Include basic features like the opening for pencils, and any decorative elements you plan (e.g., a pattern, color).

Proportion: The sketch should show roughly correct proportions (e.g., not extremely wide and very short if it's meant to hold pencils upright).

Neatness: Despite being freehand, the lines should be reasonably straight and the sketch should be neat. **(Learners would draw their sketch here in the provided space.)**

c) **List the main materials you will use to construct the pencil holder (e.g., cardboard tube, plastic bottle, small pieces of wood). (2 marks)**