THE KENYA NATIONAL JUNIOR EXAMINATIONS AND ASSESSMENT SERIES

KENYA JUNIOR SCHOOL EDUCATION ASSESSMENT

712/2: PRE-TECHNICAL STUDIES (Project)

MARKING GUIDE

General Instructions to Teachers:

1. This guide provides a framework for assessing the Pre-Technical Studies project. Teachers should ensure that learners adhere to the project instructions and safety guidelines throughout the implementation phase.
2. Emphasis should be placed on the **process** of the project, not just the final product. Encourage learners to document their steps, challenges, and solutions.
3. **Group Work:** Emphasize that all members of the group must actively participate. Teachers should observe group dynamics and individual contributions. A peer assessment component could be informally included to encourage equitable participation.
4. **Resourcefulness:** Encourage the use of locally available and recycled materials. This promotes sustainability and problem-solving within resource constraints.
5. **Safety First:** Reinforce safety measures for handling tools and materials at all stages of the project. Supervise closely during cutting and assembly.
6. **Clarification:** Be available to provide guidance and clarification as learners encounter difficulties. This project is a learning experience, and support is crucial.
7. **Evidence Collection:** Guide learners on how to effectively capture videos and photos. Emphasize clarity and relevance of the visual evidence.
8. **Assessment:** Use the provided rubric to score each task. Ensure consistency in marking across all groups.

Specific Task Breakdown and Marking Scheme

Task 1: Design and Planning (Maximum 28 marks)

1. Freehand Pictorial Sketch and Measurements (6 marks)

a) **Assessment Focus:** Learner's ability to visualize, draw a pictorial sketch (3D representation), and indicate key dimensions.

b) **Expected Outcome:** A clear, recognizable sketch of a chicken feeder, showing a reasonable design for minimizing feed wastage and ease of cleaning. Main measurements (e.g., height, width, diameter, or lengths of key components) should be indicated.