



THE KENYA NATIONAL EXAMINATIONS COUNCIL
SCHOOL BASED ASSESSMENT
SCIENCE AND TECHNOLOGY PROJECT
Grade 5 - 2025

INSTRUCTIONS TO THE TEACHER

- (a) *This paper consists of **one** printed page and **one** performance task:*
Task: Making a fireless cooker using locally available materials.
- (b) *The teacher to guide learners in selecting appropriate tools, materials, equipment and digital devices for carrying out the project.*
- (c) *The learners should be encouraged to use locally available resources as much as possible. They should **not** buy the fireless cookers.*
- (d) *The teacher should ensure that the learners observe safety measures and precautions while using the various tools, materials, equipment and digital devices.*
- (e) *The learners may share tools, materials, equipment and digital devices where applicable.*
- (f) *The teacher will use the scoring guide provided to assess group's performance of the project.*
- (g) *The teacher will use the group's score as the individual learner's score.*

TASK: MAKING A FIRELESS COOKER USING LOCALLY AVAILABLE MATERIALS

- (a) Individually, learners to source for information on how to make a fireless cooker from textbooks, resource persons, parents/guardians and or, the internet.
- (b) In groups, learners keep in a portfolio the short notes, sketches and pictures sourced about a fireless cooker.
- (c) In groups of not more than 8 members, learners to share information collected and discuss how to make a fireless cooker.
- (d) Individually or in groups, learners to collect the materials they will need for making the fireless cooker from the local environment.
- (e) In groups, learners to make the fireless cooker using the materials collected.
- (f) Learners to display their finished product (fireless cooker).
- (g) The teacher to assess the functionality and suitability of the fireless cooker made by the learners.
- (h) The teacher to orally ask the learners to demonstrate to other learners how to use the fireless cooker.
- (i) The teacher to orally ask the learners to explain how the fireless cooker conserves heat.
- (j) Learners to observe and comment/reflect on their peer's work and make suggestions for improvements.

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