



KENYA NATIONAL EXAMINATIONS COUNCIL

**SCHOOL BASED ASSESSMENT
SCIENCE AND TECHNOLOGY PROJECT
Grade 5 - 2023**

This document consists of 2 printed pages.

INSTRUCTIONS TO THE TEACHER

(a) *This paper consists of **one** performance task:*

Task: Making a model showing phases of the moon 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 model.*

(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.*

(h) *The teacher to enter the project's marks in the assessment sheet as **task 8**.*

TASK: MAKING A MODEL SHOWING PHASES OF THE MOON

(a) Individually, learners to source for information on how to make a model showing phases of the moon from textbooks, resource persons, parents/guardians and or, the internet.

(b) In groups, learners write short notes of the information they have sourced and sketch a model showing phases of the moon.

(c) In groups of not more than 8 members, learners to share information collected and discuss how to make a model showing phases of the moon.

(d) In groups, learners to collect the materials they will need for making the model showing phases of the moon from the local environment.

(e) In the groups, learners to make the model showing phases of the moon using the materials collected.

(f) Learners to display their finished product (model showing phases of the moon).

(g) Learners to observe and comment/reflect on their peer's work and make suggestions for improvements.

(h) The teacher to orally ask the groups to identify phases of the moon represented in the model.

New moon

Full moon

Waxing crescent moon

First quarter half-moon

Last quarter half-moon

Waning crescent moon

Waning gibbous moon.

Waxing gibbous moon.

(i) The teacher to ask each group to orally state the order of the phases of the moon starting from the new moon.

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