

The Ambassadors College, Ota

GRADE 8 (Honours)

Third Term

Mid - Term Holiday Assignment

HOLIDAY ASSIGNMENT

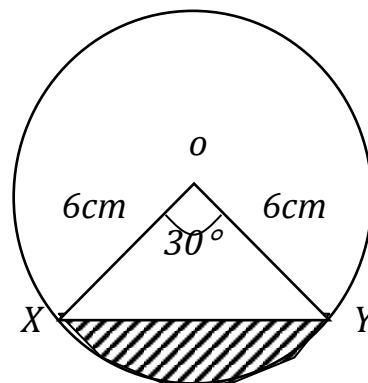
2025/2026 Academic Session

Name: _____

MATHEMATICS

1. Given that $y = \left(\frac{2pr}{N} - p^2r\right)^3$, make r the subject of the formula.
2. The diagram below shows the circle of radius 6cm subtends an angle of 30° at the centre. Calculate the following:

- (i) The length of the chord
- (ii) The area of sector
- (iii) Perimeter of the segment
- (iv) Area of the shaded segment.



ENGLISH LANGUAGE

1. Study page 71, Language Focus in Cambridge Lower Secondary English Learner's Book 8.
2. Attempt the following questions in Cambridge Lower Secondary English Workbook 8:
 - a. Focus 1 and 2, Page 35
 - b. Practice 3a and 3b Page 36
3. Study the poem "United We Stand" by E.E Sanyaolu

BASIC SCIENCE

BIOLOGY

Cambridge Lower Secondary Science Workbook 8 by Mary Jones et al,
pages 144-146, exercise 7.3(A), questions 1-7.

CHEMISTRY

Cambridge lower secondary science textbook 8, page 66-67 exercise 2.1-2.3

PHYSICS

1. With the aid of a well labelled diagram, explain how a vacuum thermo flask work by utilizing the three modes of heat transfer.
2.
 - a. Explain the concept of “Land breeze and Sea breeze”
 - b. State Ohm’s law give one example of a material that truly obey this law.

BUSINESS STUDIES

Kindly type out the 9 best steps of seeking redress and making compliant.

NATIONAL VALUE EDUCATION

1. Define Society, Science and Technology.
2. State 4 Influence of Science and Technology.