

**SS1  
FIRST TERM  
2019/2020  
PHYSICS  
PROJECT**

**CONSTRUCTION OF A CELL BOX USING TWO BY 1.5 VOLT DRY  
CELL/BATTERY**

**USING A CARDBOARD SHEET, DRAW AND LABEL EITHER  
MICROMETER, SCREW GAUGE**

**OR**

**VENIER CALIPER**

**HOLIDAY ASSIGNMENT**

1.
  - a. Define matter and mention states of matter
  - b. Define energy and state its S.I unit
  - c. Mention at least four types of energy
  - d. Define the following physical quantities and state their expressions.
    - i) Kinetic energy
    - ii) Potential energy
2. Differentiate between the following
  - a) Distance and displacement
  - b) Speed and velocity

**SS 1  
FIRST TERM  
2019/2020 SESSION**

**FURHER MATHEMATICS  
PROJECT**

1. USING PASCHAL'S TRIANGLE EXPAND AND SIMPLIFY COMPLETELY  $(2X+3Y)^4$
2. WRITE DOWN THE BINOMIAL EXPANSION OF  $(1 + \frac{1}{4}X)^6$

**SIMPLIFY ALL THE TERMS**

**LONG VACATION ASSIGNMENT**

1. Use the truth table to show that:

(A) The connectives  $\wedge$  distributes over the connectives  $\vee$

2. Given the statements p, q and r show that

(B)  $P \wedge (q \wedge r) = (P \wedge q) \wedge r$

(C)  $p \vee (q \vee r) = (p \vee q) \vee r$

**SS1  
FIRST TERM  
2019/2020 SESSION  
BIOLOGY  
PROJECT**

**IN A CARDBOARD SHEET, DRAW ANIMAL'S CELL**

**HOLIDAY ASSIGNMENT**

WRITE FIVE DIFFERENCES BETWEEN PLANTS AND ANIMAL

**SS 2  
FIRST TERM  
2019/2020 SESSION  
ENGLISH LANGUAGE  
PROJECT**

**CREATE AN ALBUM AND USE IT TO ANSWER THE FOLLOWING QUESTIONS:**

- 1. DEFINE PRONOUN**
- 2. EXPLAIN TYPES OF PRONOUN AND WRITE FIVE SENTENCES WITH EACH OF THEM.**

**HOLIDAY ASSIGNMENT**

**NOTE: USING TWENTY (20) LEAVES EXERCISE BOOK  
WRITE THE GRAMMATICAL NAMES AND  
FUNCTIONS OF THE UNDERLINED WORDS**

1. The eggs of the Ostrich are the largest in the world
  - i. G/N \_\_\_\_\_
  - ii. G/F \_\_\_\_\_
2. Onyeka is an engineer that repairs generator
3. He directed a burning look at the boy who had no answer to his questions.
4. Because he studied hard, he passed his examination.
5. I discovered that he is my cousin

**SS 2  
FIRST TERM**

**2019/2020 SESSION  
PHYSICS  
PROJECT**

1. CONSTRUCT A SIMPLE STANDARD AND GRADUATED METRE RULE.

OR

CONSTRUCT A WORKABLE CELL-BOX USING 1 PAIR OF 1.5 VOLT DRY CELL WITH CONNECTING WIRES AT EACH AND OF THE BOX

**HOLIDAY ASSIGNMENT**

1. Two forces of 10N acts on body, one toward the North and the other toward the East. find the resultant and direction of the resultant force.
  2. a body that was moving with initial velocity U decelerates at  $0.6\text{ms}^{-2}$  after passing through a certain point with a speed of 25ms. What is the distance and velocity of the body after 12 seconds?
  3. A copper rod whose length at  $25^{\circ}\text{c}$  is 7.5cm was heated to  $45^{\circ}\text{c}$ . find its new length.  
(take linear expansivity  $\alpha = 17 \times 10^{-5}/\text{k}$ )
- b. Define linear expansivity

**SS 2 A- SS2H  
FIRST TERM  
2019/2020 SESSION  
ECONOMICS**

## **PROJECT**

### **CONSTRUCT ANY OF THE MATHEMATICAL TOOLS EXCEPT RULER**

#### **HOLIDAY ASSIGNMENT**

The table below show the raw score of 20 students of CKC. school who sat for an examination in Economics in SS1. the pass mark is 40%

38,18,34,52,66,39,28,20,48,53,12,20,70,64,69,20,46,64,43,34

- a. What is the mean score of the students mark'
- b. How many students pass the examination
- c. What percentage of the students failed the examination.
- d. What is the range of the scores
- e. How many students scored below the mean score.

#### **SS 2 FIRST TERM 2019/2020 SESSION ECONOMICS PROJECT**

COPY AND COMPLETE THE TABLE FOR THE RELATION:  $Y = 2X^2 - 5X + 1$

A.

X	-3	-2	-1	0	1	2	3	4	5
---	----	----	----	---	---	---	---	---	---

Y			8	1		-1			26
---	--	--	---	---	--	----	--	--	----

B. USING SCALE 2CM TO 1 UNIT ON THE X-AXIS AND 2CM TO 5 UNITS ON THE Y- AXIS, DRAW A GRAPH OF THE RELATION

$$Y=2X^2 + \text{FOR } -3 \leq X \leq 5$$

C. USING THE GRAPH, SOLVE THE FOLLOWING EQUATION

i.  $2X^2 - 5X + 1 = 0$

ii.  $2X^2 - 5X - 6 = 0$

iii.  $2X^2 - 5X + 10 = 0$

iv.  $2X^2 - 5X + 1 = 0$

HOLIDAY ASSIGNMENT

1a. Simplify  $3x + 2y - 5x + 9y - 10x - 12y$

1b.  $8k - 9x - 3 + 7k - 5$

1c.  $(y-4)(y-6)$

2. Solve simultaneously

$$3 + 2b = 10$$

$$4a - b = 6$$

3. Evaluate  $\frac{(0.762)^2 \times 0.0284}{\sqrt{3.023}}$

**SS 2  
FIRST TERM**

**2019/2020 SESSION  
FURTHER MATHEMATICS  
PROJECT**

1. WRITE THE EQUATION OF THE ELIPSE  $25X^2 + 4Y^2 - 50X - 16Y - 59 = 0$  IN CANONICAL FORM AND HENCE, DETERMINE:
  - (I) THE COORDINATES OF THE CENTRE OF THE ELIPSE
  - (II) THE 4 VERTICES OF THE ELIPSE
  - (III) THE 2 FOCI OF THE ELIPSE
  
2. FIND THE VERTICES AND FOCI OF THE HYPERBOLA  $25X^2 - 16Y^2 = 400$

**LONG VOCATION ASSIGNMENT**

A. EVALUATE THE FOLLOWING

1.  $\int_1^2 (2 + 2X - 3x^2) dx$

2.  $\int_1^2 \left( \frac{X^3 - 1}{X^2} \right) dx$

3.  $\int_1^2 \frac{4}{X^3} dx$

B. Find the equation of the parabola with foci at (2,1) and the directrix  $2x + y + 1$

SS2

FIRST TERM

2019/2020 SESSION

ASUSU IGBO

## PROJEKITI

Were eserese zipute udi dibia odinaala abuo I maara.

Oru e were laa ulo

1. Kowaa mofim
2. Deputa udi mofim abuo e nwegasiri ma kowaa ha
3. Jiri omumaatu ziputa ha

## **SS2**

### **FIRST TERM**

### **2019/2020 SESSION**

### **BIOLOGY**

### **PROJECT**

DRAW ANY OF THE FOLLOWING IN A CARDBOARD SHEET AND PLACE IN A CARBON OR PLYWOOD

1. DRAW CIRCULATORY SYSTEM IN MAN

OR

DRAW T/S OF MONOCOTYLEDON STEM AND DICOTYLEDON STEM

OR

DRAW A TAPEWORM AND LABEL

### **ASSIGNMENT**

1. With aid of diagram describe reproduction in Ameoba
2. Draw and label digestive system of man and state the function of fine label parts.



**SS2  
FIRST TERM  
2019/2020 SESSION  
LITERATURE - IN - ENGLISH  
PROJECT**

USING A 20 LEAVES EXERCISE BOOK, DISCUSS AT LEAST FIVE CHARACTERS IN " LOOK BACK I ANGER" BY J.J.OSBORNE

**HOLIDAY ASSIGNMENT  
NOTE: BUY THESE TEXTS**

TEXTS: 1. FENCES BY AUGUST WILSON  
2. LOOK BACK IN ANGER BY J.J  
OSBORNE

1. Discuss two themes in fences by August Wilson

**SS2  
FIRST TERM  
2019/2020 SESSION  
CHEMISTRY  
PROJECT**

MAKE AN ALBUM OF DIFFERENT APPARATUS REQUIRED DURING ACID -- BASE TITRATION THAT IS, DRAW THE APPARATUS IN THE ALBUM AND MENTION THE USES OF EACH.

**HOLIDAY ASSIGNMENT**

1. Mention two criteria used for placing an element into the periodic table.
2. State the period and the group to which each of the following elements belong.  
 ${}^4\text{V}$ ,  ${}^{13}\text{W}$ ,  ${}^2\text{X}$ ,  ${}^{20}\text{Y}$ ,  ${}^{10}\text{Z}$ .
3. When 0.5g of Zinc was added to excess dilute hydrochloric acid, hydrogen gas was evolved. The entire reaction took 5 minutes, what was the rate of reaction?

**SS2**  
**FIRST TERM**  
**2019/2020 SESSION**  
**DATA PROCESSING**  
**PROJECT**

USSE CARDBOARD SHEET TO DRAW MICROSOFT ACCESS ENVIRONMENT AND LABEL THE FEATURES.

**HOLIDAY ASSIGNMENT**

1. Describe data handling
2. List and explain two ways of handling data with examples.
3. State four factors to consider when handling data electronically.

**SS2**  
**FIRST TERM**  
**2019/2020 SESSION**  
**CHRISTIAN RELIGIOUS KNOWLEDGE**  
**PROJECT**

**WRITE OUT IN A CARDBOARD SHEER MADE IN ALBUM FORM**

1. QUALITIES OF A GOOD LEADER/ LEADERSHIP

**HOLIDAY ASSIGNMENT**

NARRATE THE FIRST ACCOUNT OF CREATION IN GENESIS.