

SENIOR ONE - HOLIDAY WORK - TERM 3, 2025

ENTREPRENEURSHIP

Visit a sole proprietorship business (one man's business) and interview the proprietor about the following:

- Benefits they enjoy while doing business alone.
- Challenges faced as sole proprietors/operating the business alone

NB: Present the nature/type of business.

- Fully typed report with photos to act as evidence
- Name of the proprietor (respondent)

HISTORY

In some societies in Uganda today, the practice of African Traditional Religion is still worship in shrines, sacrifice to their gods and giving a lot of respect to ancestors. These people find it hard to stay in the same communities with people of other religions especially Christianity. They usually utter abuses at the Christians and attack them openly. This has led to insecurity in those societies. It has also limited the spread of the good values emphasized by Christianity. Something, that has worried the local leaders. These traditionalists need to be convinced to appreciate Christianity and accommodate Christians for the benefit of these societies and the country at large. A meeting has been organized in your village by the local leaders and you have been requested to address these traditionalists.

Task: **Prepare your message for the people in the scenario in an essay form.**

AGRICULTURE

Design and make a poultry house model exhibiting all its requirements as presented in your classroom work at the end of the term.

Procedure for designing a poultry house model

a) Research and design

- i). Gather information on the ideal poultry house designs on the internet.
- ii). Sketch or draw a simple plan of the poultry house on paper
- iii). Choose the scale, i.e., how large the model will be.
- iv). Select the materials to use i.e., cardboards, boxes, sticks, straws, wire mesh, netting, glue, cello tape, paint, coloured pencils and markers.

b) Measurement and marking

- i). Measure and mark out the dimensions of each part of the materials and ensure correct proportions based on the chosen scale.

c) Construction/assembly

- i). Cut out the pieces according to the design
- ii). Assemble the walls, roof and floor carefully
- iii). Fix in openings for windows, doors and any other ventilation
- iv). Fix in the feeders, drinkers and perches not forgetting the litter

d) Paint or decorate the model to resemble a real poultry house and label the parts

NB: Your assessment will be based on:

a) Design b) Creativity c) Accuracy d) Neatness

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FINE ART

Your guardians/parents would want to improve the appearance of the dining room with beautiful art works. But they have no idea of doing it because they are not artists.

Task: As an artist at home, help your guardians/Parents to solve the above challenge with suitable art works of choice.

CHEMISTRY

According to the daily monitor (March 2025), Uganda's water is no longer as accessible nor free from contamination as it should be; mainly due to human activities. Charles from the water and sanitation development facility noted that chemicals from agricultural shops and arms in lira city are finding their way into water bodies, later consumed by people and livestock and aquatic life. These pollutants have been linked to claims of loss of thousands of lives annually. Faced with this growing crisis, the Ugandan government has launched awareness activities, initiatives and invited science students to help educate the public on how chemistry can be used to assist contain the issue. You have been invited as a chemistry student to assist in this campaign.

Task: Write the radio presentation you will use to assist in this campaign; your message should include the following;

- ✓ Category of the natural resource(s) and reason
- ✓ Chemical composition and the natural resource(s)
- ✓ Impacts of human activities on the natural resource(s) and how to mitigate them
- ✓ Benefits of natural resources to everyday life

PHYSICAL EDUCATION

A school secretary decided to visit the gym after office hours to improve her physical fitness. At the gym, she:

- i) Excitedly joined the ongoing exercise session of speed jogging with squats while carrying some weights.
- ii) Felt pain in the thigh muscles after a few minutes and struggled to move her thigh but continued with the activity.
- iii) Rested briefly, removed her shoes, and restarted the exercise with bare feet.

She slipped, fell down, and hit her forearm on the gym surface. The forearm lost shape from the mid-region between the wrist and the elbow, became swollen, and was painful.

She was taken away from the slippery gym surface, but her colleagues did not know how to manage the injuries she sustained. She kept wondering why her colleagues did not experience the same challenges she faced.

You have been requested through your Physical Education teacher to guide on how to avoid and manage such situations at the gym.

Task:

- a) Suggest the measures the secretary could have taken to prevent the challenges she faced.
- b) Describe how you would manage the injuries sustained by the secretary.

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PHYSICS

ITEM 1: One afternoon, an old man went to the saloon for the first time to trim his hair, to his surprise, he saw multiple images of himself in the mirrors. This made him to get scared and ran out claiming it was witch craft. As he stood out, there was darkness that covered the whole place for about 15 minutes. People claimed that the world had come to an end while others said that the sun was fighting with the moon.

Task: As a physics learner,

- Help the old man understand why he saw multiple images in the mirrors.
- How many images could he see if the mirrors were placed 600 to each other.
- Explain to the people the cause of the darkness
- Explain how the property of light that caused the darkness can be verified in the lab

ITEM 2: A mother has a baby who has been feeling warm to the touch. The baby's concerned older sister notices this and wants to help her mother check the baby's temperature. She remembers a traditional method of measuring temperature using a homemade device. The sister approaches her friend who has a good understanding of physics, to help her create a tool to measure her baby sibling's temperature. She suggests using a glass tube and alcohol but not water, to create a device that can measure temperature. After constructing the device, they calibrate it by marking the length of the alcohol column at the steam point, 100°C as 80cm and at the ice point, 0°C as 30cm.

Task:

- How can the two friends use everyday materials to create a reliable temperature-measuring device?
- If the length of the alcohol column in the device is 48.5cm when placed near the baby, what is the baby's temperature?
- Based on the temperature reading, do you think the baby is sick or not? Explain your answer.

MATHEMATICS

1. ATTEMPT ALL NUMBERS IN THE WORKBOOK

- Mr. Makka has a triangular garden. Two sides of the garden are 70m and 60m. The angle between these two sides is 75° . He wants to dig out a circular fish pond inside the garden such that it passes at all three sides of the garden and is 10m deep. He also wishes to plant maize in the remaining part of the garden. He was told that 1m² of the garden produces maize worth shs. 20,000. He wishes to know how much water would fill up the water bond. You have been contacted for help.

Hint: Use pen, a pencil, and a pair of compasses only. Use your own convenient scale.

Task: As a Mathematics student, help Mr. Makka to know

- How much money he will get from the maize.
- How much water will fill up the fish pond.

CRE

And I prayed earnestly to the Lord God, pleading with Him, fasting, wearing sackcloth, and sitting in ashes. I prayed to the Lord my God and confessed the sins of my people. I said,

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“Lord God, you are great, and we honour you. You are faithful to your covenant and show constant love to those who love you and do what you command.”

Task

- How are the worship practices among Christians today reflected in the above Bible text?
- Explain the traditional African worship practices that are related to those in the above bible text.

LITERATURE IN ENGLISH

You are the Class Monitor in charge of your stream. Some learners from your class are naughty during prep; they are always serving punishments administered by teachers for making noise and other unbecoming behavior. You talk to your classmates, and they say they are always bored because nothing is interesting to read.

Task: Think of an interesting book you have read from any category i.e. a play, novel (literature text, romance, adventure, fiction, or non-fiction), and write a review to interest your colleagues to read and develop their reading culture.

GEOGRAPHY

Uganda has a unique climate with topical sunny climate which attract tourists from many countries in the world especially from Europe during winter season for sun-bathing. The heavy rainfalls received throughout the year support agriculture. However, the heavy rainfalls also pose serious problems to the people of Uganda in form of floods and hailstorms that destroy people's crops.

Table 1

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp °C	12	13	16	18	23	26	34	28	26	23	18	16
Rainfall(mm)	18	64	81	183	206	125	117	173	137	112	76	25

Task:

- Draw a graph to show the information in the above table.
- Calculate,
 - Annual rainfall total
 - Mean annual temperature
- Write an essay on the activities carried out in areas with equatorial climate in Uganda.

TECHNICAL DRAWING

A technician is preparing a workshop blue print for a metal bracket used to support a conveyor belt. The bracket shape is modelled as a regular pentagon with sides equal to 45mm.

To fit the pentagon onto the page of the assembly manual, the technician must reduce the sides of the pentagon in the ratio 3:5. How would you guide the technician to produce the figure geometrically.

LUGANDA

Okyaddeko ewa jjajjawo mu kyalu era osanzeeyo bato banno kumpi bwe mwenkana mu myaka. Jjajjamwe abayise era nabaako byabannyonyola ku bintu ebireetebwa kaabuvubuka mu kikula ky'abaana. Okusinziira ku jjajja byababuulidde, nnyonnyola ebituuka ku baana bano nga bavubuka.

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- a) Abawala
- b) Abalenzi

KISWAHILI

Jenga setensi tano tano katika wakati ujao (future tense) na wakati halitimilifu (perfect tense).

ICT

1. Give two advantages of using a digital camera over a traditional film camera.
2. Name two factors that determine the quality of a scanner.
3. Give two advantages of using an automatic input device (e.g. a OMR reader) over manual input.
4. Give two advantages of using a barcode reader at a point-of-sale terminal. (POS)
5. Give two advantages and two disadvantages of using voice recognition for input.
6. Give two real life applications of sensors for detecting external changes in an environment.