



GREENHILL ACADEMY SECONDARY

S2 HOLIDAY WORK

TERM III 2025



S.2 MATHEMATICS HOLIDAY WORK TERM THREE 2025

ITEM 1

You have been appointed by the Community Fair Planning Committee to serve as their Data Organizer. The committee is preparing for the upcoming fair, but they are struggling with overlapping groups of performers. These overlaps are causing confusion in the planning, and they need someone who can use sets and set operations to organize all participants correctly. The committee members are depending on your accuracy, since any mistake could lead to double-assignments, unfair awards.

Hint.

The fair has three performance groups:

- Set A: Drama performers
- Set B: Dance performers
- Set C: Choir performers

TASK:

Create a Set-Based Fair Planning Report, where you analyze these major fair components using **unions, intersections, complements, universal sets and Venn diagrams** for the members.

ITEM 2

You have been appointed as a data analyst by the school's examination board to investigate how students responded to a recent class examination made up of three sections: A, B, and C. You are required to accurately interpret the participation data, represent it visually, and draw meaningful mathematical conclusions.

The board has provided the following information from a class of 50 students:

- 2 students did **not attempt any** section.
- 3 students attempted **section A only**.
- 5 attempted **section B only**.
- 4 attempted **sections A and C only**.
- 5 attempted **all the three sections** (A, B, and C).
- Those who attempted **A and B only** were 3 less than those who attempted **B and C only**.
- Those who attempted **A and B only** were also *three times* the number of students who attempted **section C only**.

TASK

Organize this information by drawing a clear Venn diagram showing how many students fall into each region that can be used to determine

- a) How many students attempted questions from each section (A, B, and C).
- b) How many attempted section C only.



S.2 English Holiday Work Term 3 2025

RESEARCH PROJECT

THEME: RURAL AN URBAN LIFE

Photo essay: A day in urban versus rural life

Task: Collect photos representing a typical day in both environments of urban and rural life.

Focus: transportation, housing, daily routines, occupations, food

Activity

After collecting all the photos and information on both rural and urban lives, compile and write a captivating narrative on the experiences in both environments. Both environments should have items of focus.

NB: This work should be typed and printed into a booklet

S.2 PHYSICS HOLIDAY WORK.

INSTRUCTIONS TO STUDENTS:

Read through the scenario below and carry out the tasks thereafter.

Scenario

A TV reporter in a certain country near the ocean was giving a live update about unusually high tides occurring at night and an eclipse that had taken place earlier in the day. The reporter also referred to weather patterns they had been reporting over the past two months, including the onset of winter in their country. The broadcast also mentioned that, due to the rising human population, governments are exploring the possibility of finding another planet that could support human life.

Viewers in another country near the equator watched this live report during their daytime. They wondered how it could be night in the reporter's country while it was day where they were. They were also curious about why the reporter's country was experiencing winter, yet equatorial regions rarely experience that season.

Task:

Using your knowledge of physics, re-examine the events described in the news report. Think carefully about the contrast between what the reporter experienced and what the viewers observed and:

- Explain the surprising difference in lighting conditions between the two countries at the exact moment of the live broadcast.
- Consider what might have influenced the unusually high ocean waters the reporter mentioned.
- Reflect on how the eclipse reported earlier in the day could have taken place.
- Based on the concerns raised about finding another world for humans, describe the kind of environment that would make a distant planet a possible new home.
- Think about the weather pattern the reporter had been covering for the past two months winter and explain what could cause such a season to occur in some regions but not others.

THE PHYSICS DEPARTMENT WISHES YOU A NICE HOLIDAY

AND A HAPPY NEW YEAR 2026.



S.2 BIOLOGY HOLIDAY WORK

Research about the type of circulatory system in humans and use locally available materials, textbook, AI and other ICT resources to design a model of the human heart. Label all the parts.

The assessment will involve a viva, and a detailed explanation of blood circulation in the heart.

Choice of materials, originality/creativity, size and durability of the materials are some of the attributes to be considered.

S.2 CHEMISTRY HOLIDAY WORK

Amir lives in a community where most families use charcoal for cooking. However, he notices that a lot of charcoal dust is thrown away as waste because people cannot use it in their stoves. At the same time, the price of charcoal has increased, making it difficult for some families to afford enough fuel.

Amir wants to help his family reduce fuel costs by turning the **charcoal dust** at home into **sizable charcoal briquettes** that burn longer and produce less smoke. He decides to design a simple method for making briquettes using materials that are easily available at home.

Amir asks you to help him plan and carry out this project (carry at least 3 pieces of the made briquettes together with your Project report)

S2 GEOGRAPHY TERM 3 2025.

A large manufacturing company, EcoTech Metals, recently expanded its factory operations in a developing town. Since the expansion, the local river has become muddy, and fish populations have declined. Residents have also begun complaining about increased air pollution, strange odors, and more frequent respiratory illnesses. Despite this, the factory provides jobs for more than half of the town's population and contributes significantly to the local economy.

TASK:

(a) Using internet research or any other source, download and print out the photographs on the negative effects of establishment of manufacturing industries in East Africa.

(b) Suggest measures to address the above challenges.

S.2 HISTORY AND POLITICAL EDUCATION

As early as the 16th century, large numbers of Bantus and Nilotes migrated and settled in what later became East Africa among the Cushites and Bushmen, among others. The political, social and economic conditions both in the cradle lands and East Africa caused these migrations and settlements.

These migrations and settlements brought several development in Uganda in the political, social and economic spheres of life that are, to date, celebrated as some of the cultural heritages of East Africa.

The Ministry of Gender, Labor Social Development in Uganda is organizing a cultural day celebration. In this celebration the public is to be enlightened about the role that was played by migrations and settlements in shaping today's East Africa through a public debate.



Task

Taking into consideration the political, social and economic factors in both the cradle lands and EastAfrica during the 16th century, make a write up to discuss;

- a The conditions that made those migrations and settlements into EastAfrica
- b Ways in which those migrations and settlements have continued to impact EastAfrica to date.

S2 CRE

- 1. Using newspapers or internet to down load pictures, Get a half Manila paper and design an album showing the different forms of work in Uganda today. Put explanations on the pictures or photos

S.2 ENTREPRENEURSHIP EDUCATION HOLIDAY WORK

ITEM 1

After five years of running a small online clothing store, Maya built a loyal customer base and consistent monthly revenue. However, she expanded her business by launching a physical boutique in a popular shopping district. To finance the expansion, she took out a large loan and invested heavily in store design, marketing, and new inventory.

In the first few months, sales were strong, but as competition increased and foot traffic declined, profits started to fall. By the end of the year, the boutique started operating at a loss. Maya is facing a tough decision whether to close the store and focus back on online sales or continue trying to make the physical store work.

Task

- a) As a student of entrepreneurship what do you think are factors that are leading to above.
- b) Suggest the possible measures that can be taken to revive her business that collapsing.

ITEM 2

Leila plans to open a café that specializes in organic coffee and healthy snacks. She finds two possible locations.

Location A: A busy downtown area near offices and schools, but with high rent and several competing cafés.

Location B: A quieter suburban neighbourhood with lower rent, fewer competitors, but less foot traffic.

After much thought, Leila chooses **Location B** to save on costs. During the first few months, sales are slow because fewer people pass by the café. She invests in online advertising and starts offering delivery services, which help a little, but profits remain low. Meanwhile, a new café opens near the downtown area and quickly becomes popular.

Leila is now considering moving her café to a busier location, but that would require closing her current store and taking on more debt.

Task

- a. As an entrepreneurship student advise Leila to select the appropriate location for her business.
- b. Design an appropriate advert for the business.



S.2 FRENCH

SECTION A : COMPRÉHENSION ÉCRITE

Texte : Une visite au marché central

Dimanche matin, Léa accompagne son père **au marché central**.

Ils doivent acheter des ingrédients pour préparer un grand repas de famille.

Le marché est couvert, et il y a de nombreux stands colorés.

Le père de Léa achète **du poisson frais**, des pommes de terre, des oignons et un litre d'huile.

Léa, elle, préfère regarder le stand des fruits où l'on vend **des pastèques, des ananas et des papayes**.

Elle choisit une petite papaye pour son goûter.

Après avoir payé, Léa et son père s'arrêtent quelques minutes pour boire **une limonade fraîche**.

Puis ils prennent le **bus** pour rentrer chez eux avant que la pluie ne commence.

Questions :

1. Pourquoi Léa et son père vont-ils au marché ?

.....

2. Quels produits le père de Léa achète-t-il ?

.....

3. Quels fruits Léa voit-elle au marché ?

.....

4. Que choisit-elle pour son goûter ?

.....

5. **Aimes-tu aller au marché ? Pourquoi ou pourquoi pas ?**

.....

6. **Quel est ton fruit préféré et pourquoi ?**

.....

SECTION B — (attempt one question)

1. Thème – La vie à l'école

Scenario

Tu participes à une journée portes ouvertes dans ton école. Un groupe de visiteurs arrive et ton professeur te dit :

— « Peux-tu présenter ton école à nos invités ? »

Task :

Écris quelques phrases pour présenter ton école : parle de l'environnement scolaire, des clubs ou activités, de ton emploi du temps, des règles de l'école, et de ce que tu trouves intéressant ou difficile.

2. Thème – S'orienter en ville



Scenario

Tu es dans une ville étrangère pour la première fois. Tu veux aller au musée national mais tu ne sais pas où il se trouve. Tu vois une dame devant un magasin.

Task :

Écris un court dialogue entre toi et la dame.

Tu demandes :

- Le chemin pour aller au musée
- La distance
- Les moyens de transport possibles

S.2 ART AND DESIGN

SCENARIO:

Your community has been facing a challenge of **poor sanitation**, especially litter scattered around homes and pathways. Many young people do not understand the importance of keeping their environment clean.

The local council has asked young artists to help raise awareness by creating simple paintings that show **how a clean environment should look**. These artworks will be used to encourage families to keep their surroundings tidy.

Your Task:

Create a **small painting of 30cm by 42cm** that shows a clean and well-organized part of your home environment. Use water painting colours (Acrons)

SENIOR TWO ICT

Scan the QR Code to access the **ICT** holiday work



S.2 KISWAHILI

Kifurusi cha likizo

Kidato cha pili (F2)

KISA : Ni wakati wa uchaguzi watu mbalimbali wameania kwa nyadhifa mbalimbali inasemekana kuwa Ami wako naye pia anawania nafasi ya Mbunge. Unapotembea barabarani unamkuta rafiki yako ambaye ana umri wa kupiga kura lakini hana uhakika ni nani ambaye anafaa katika nafasi hii.

SHUGHULI: Mwambie rafiki yako kuhusu mjomba wako ili aweze kuchaguliwa.



S.2 Literature Holiday Work Term 3 2025

Write an attractive song titled "**Voices of My People**" for your community that will teach values, tell stories, and preserve their culture. Use an AI tool to record the song using simple rhyme and rhythm. Share to your teacher's WhatsApp number +256774455734

S.3 PHYSICAL EDUCATION HOLIDAY PROJECT WORK TERM 3 2025

Project Title: Understanding the Hurdles:

Project Goal: To research and understand the sport of hurdling, its technical demands, and apply this knowledge by constructing a functional training hurdle using locally and low cost materials.

- 1. Research** and create a table of the standard hurdle races that are recognized by World Athletics. Your table should include:
 - Race Distance (e.g., 110m, 100m, 400m)
 - Gender Category (Men/Women)
 - Number of Hurdles
 - Official Hurdle Height
- 2.** What is the exact distance *between* the hurdles for each race?
- 3.** What is the distance from the start line to the first hurdle, and from the last hurdle to the finish line? Your illustration must show the start line, the position and height of all hurdles, the distances between them, and the finish line.
- 4. Explain and illustrate / draw the 3-Rhythm Hurdle Training Drill -**
<https://www.youtube.com/watch?v=gws2-SCRW2M>,
<https://www.youtube.com/watch?v=iEZWPx4JEeQ>
- 5. Design and Build a Standard Training Hurdle.** construct a safe and stable training hurdle that meets the following specifications:
 - a. Height: 76cm**
 - b. Weight:** Light enough to be safe if knocked over, but with a base stable enough to not tip over easily.
 - c. Material:** Use **locally available, low-cost, or recycled materials**
 - d. Deliver the hurdle on first day of reporting to school.**

S.2 PERFORMING ARTS HOLIDAY WORK

RESEARCH WORK

Make brief notes on the legal framework and performance ethics in Performing Arts.

Happy Holidays!