



GREENHILL ACADEMY

S.3

TERM 1 -2025

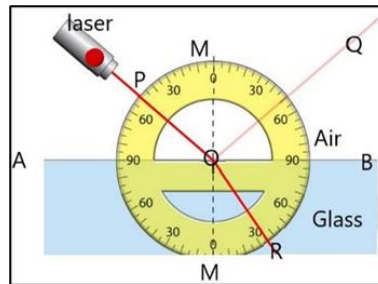
HOLIDAY WORK

S3 HOLIDAY WORK TERM ONE 2025

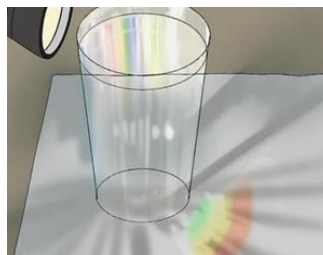
1.	ENGLISH Using the Dexter's summary writing book, read passages 47 and 50 respectively, and respond to the tasks given in the textbook.
2.	MATHEMATICS The table below shows the ages of 50 people treated for Hepatitis B at Kirudu hospital. 86 86 56 59 67 62 63 50 91 62 56 27 50 54 80 61 52 52 16 28 66 46 55 58 56 77 26 40 42 51 35 45 68 51 49 40 93 84 79 63 52 53 25 93 27 71 66 52 30 12 TASK: a) Construct a frequency table starting with a class of 10-19 b) Use your frequency table to calculate the: i) Mean age of people treated for Hepatitis B ii) Median age of people treated for Hepatitis B. iii) Modal age of people treated for Hepatitis B c) Using the cumulative frequency curve, estimate the median age. d) Using the histogram, estimate the modal age. NOTE: For part b) please use the formula to find the mean, the formula to find the median and the formula to find the mode, the graphs will be used for part c) and part d)
3.	BIOLOGY ITEM Research about the functioning of the kidney and a design a model of the nephron. N.B you should attach the functions of the various parts.
4.	CHEMISTRY Sulphuric acid can be manufactured in the industry through the contact process. TASK: Using locally available materials, design a 3-D model to show the steps involved in the contact process.

5. **PHYSICS**

- 1) One ray of a laser beam was allowed to hit the glass at an angle which was recorded by the protractor. The ray is PO making an angle POM.



- a) State the name of angles indicated i) POM ii) POA iii) MOQ iv) POM – M'OR
 b) State the name of the rays i) PO ii) OR iii) M'OR iv) line MM' State the relationship between the angles
 • POM and MOQ • POM and POA • POM and M'OR
 c) By recording the angles indicated by the laser ray, calculate the refractive index of glass
 d) Explain why ray OQ exists
 e) State the name of the property of light that is being investigated as the ray moves from P to O and to R
 f) Using the above diagram briefly describe how the laws of refraction can be verified.
- 2) Obtain a small torch and shine it on top of still water through the top part of the glass as shown.



The light should shine through the top of the glass and directly hit the surface of the water. The light should shine out the side of the glass, positioned on top of a white paper.

- a) List the phenomena that are being investigated
 b) Using a ray diagram show how a rainbow could have been formed.
 c) Describe how a rainbow was formed using the above set up
 d) State ways how a formed rainbow can be turned back to white light using the same arrangement.
 e) The colours formed on the paper seem to be red yellow and green. If a blue filter was wrapped along the glass which colours would be formed instead

6. **GEOGRAPHY**

As a geography student who is concerned with conservation of the environment, Visit any mining center/quarry (Sand mine, clay mine, stone quarry, limestone mine, Gold mine, etc)

- a. Take a photograph using a camera of the area visited, print and stick the photograph in your book
 b. Identify physical features and human features seen in the photograph
 c. Explain the effects of the mining activity on the environment.

NOTE: use your geography one books

<p>7.</p>	<p>HISTORY AND POLITICAL EDUCATION</p> <p>ATTEMPT THE GIVEN ITEM</p> <p>ITEM 1</p> <p>Uganda is in the final stages of drafting new national symbols for the old ones have been here for so long. students in selected schools thought Uganda have been tasked to design these new national symbols. your school is among those chosen to design these symbols and you are selected to design one of the new national symbols that will be used in your country.</p> <p>TASK</p> <p>Prepare a presentation to show case your design of the above and justify your choice of design and items involved.</p>
<p>8.</p>	<p>CRE</p> <p>Item</p> <p>“Lazy people should learn a lesson from the way ants live. They have no leader, chief, or ruler, but they store up their food during the summer, getting ready for winter. How long is the lazy man going to lie around? When is he ever going to get up? “I’ll just take a short nap,” he says; “I’ll fold my hands and rest a while.” But while he sleeps, poverty will attack him like an armed robber. (PROVERBS 6:6-11 GNB)</p> <p>TASK</p> <p>a) How is the biblical text above a source of motivation for Ugandans to work?</p> <p>b) Explain the Traditional African values on works that are reflected in the bible text above.</p>
<p>9.</p>	<p>ICT</p> <p>Theme: <i>Exploring the Use of ICT Tools in Our Community</i></p> <p>Scenario – Item 1:</p> <p>Your cousin Joan has been selected as a field officer for a local NGO that supports rural women’s groups. She is required to collect reports, send photos, and attend virtual meetings with the head office. However, Joan is confused about which ICT tools she can use for her field work.</p> <p>She has asked for your help.</p> <p>Task:</p> <p>Explain to Joan the various ICT tools she can use in her work. How can these tools help her carry out daily activities such as communication, data collection, and reporting?</p>

Scenario – Item 2:

Your friend James is a student who struggles to keep track of his assignments, class notes, and revision schedules. He often loses files or forgets deadlines. He wants to improve how he manages his academic work using ICT but doesn't know where to start.

He comes to you for advice.

Task:

Explain to James how he can use ICT tools to organise his academic work and manage his time more effectively. Which digital solutions can help him overcome these everyday challenges?

Note: Watch the video in the QR code below to get a detailed way on how to attempt those scenarios above as an A Student. Watch the video before you attempt the questions. Scan the code to watch the video.



10. **ENTREPRENEURSHIP**
INSTRUCTIONS: ANSWER ALL THE ITEMS

Joseph is the owner of Sunshine Beverage in Jinja. The company produces a variety of juices and other related soft drinks. He employs six workers but they always conflict over duties and tasks to undertake.

He owns an old machine which he uses to extract juice but he wants to buy a new one though he lacks clear guidance on which machine to buy.

Customers frequently complain that juice does not reach most of them especially those from far distant places.

TASK

- a) Solve the challenge faced by Joseph 's company.
- b) Advise Joseph on the modifications and improvements he should undertake in his Beverage processing company.

ITEM 2.

Meet Alicia, a dairy farmer who has decided to diversify her business by starting a milk processing plant. She has also started producing high quality cheese, butter and ghee using milk as a raw material. Alicia's farm currently produces 500 litres of milk per week and she plans to use milk as the raw material. She owns an old vehicle which she plans to replace and buy a new one.

She uses only a sign post near her farm which has not given enough information to her customers about existence of the farm.

TASK

- a) How has Alicia benefited from starting milk processing plant and other related milk products mentioned in the scenario?
- b) How can Alicia solve the challenges in the scenario?

Item 3

Tonny owns a restaurant in Buddo trading center.

He has bought a van to deliver food to customers who make orders online.

The business customer desk has received request for Tonny to open up a branch and sometimes food is served when it is cold, poor quality and highly priced, customers are poorly handled etc. Tonny has promised to handle the issue.

TASK

- a) Design: (i) Business card for Tonny.
(ii) Signpost for directing customers to Tonny's new branch.
- b) How can Tonny solve the challenges in the scenario?

11. ART

Scenario Summary:

The school canteen is planning to introduce a new product to the canteen; however, they need a unique and appealing package design to attract customers. You have been chosen to design a creative and functional package and label for a product of your choice, such as juice, ice cream, snacks, or any other item.



Task:

Create a package and a label design for a product of your choice.

<p>12.</p>	<p>LITERATURE FRANCIS MBUGA: <i>Betrayal in the City.</i></p> <p>1. “Injustice and oppression can drive ordinary people to take extraordinary risks.” With close reference to the play, ‘<i>Betrayal in the City</i>’ discuss this statement, showing how different characters respond to the injustices they face. Support your views with specific examples from the text.</p>
<p>13.</p>	<p>FRENCH NB: WRITE THE BRIEF NOTES AND DO THE EXERCISES IN YOUR CLASS WORK BOOK.</p> <p><u>Conjugation of -ER and -IR Verbs in the Futur Simple</u></p> <p>The futur simple in French is used to talk about actions that will happen in the future. It’s equivalent to saying “I will” or “we will” in English.</p> <p>Steps to Conjugate -ER and -IR Verbs in the Futur Simple</p> <ol style="list-style-type: none"> 1. Start with the infinitive form of the verb: <ul style="list-style-type: none"> ○ For -er verbs: Use the whole infinitive (e.g., <i>parler</i> → parler-). ○ For -ir verbs: Use the whole infinitive (e.g., <i>finir</i> → finir-). 2. Add the appropriate endings: These endings are the same for both -er and -ir verbs and correspond to the present tense conjugations of the verb <i>avoir</i>: <ul style="list-style-type: none"> ○ je → -ai ○ tu → -as ○ il/elle/on → -a ○ nous → -ons ○ vous → -ez ○ ils/elles → -ont <p>Examples of -ER Verbs</p> <ul style="list-style-type: none"> • Parler (to speak) <ul style="list-style-type: none"> ○ Je parlerai ○ Tu parleras ○ Il/elle/on parlera ○ Nous parlerons ○ Vous parlerez ○ Ils/elles parleront • Aimer (to love) <ul style="list-style-type: none"> ○ J’aimerai ○ Tu aimeras ○ Il/elle/on aimera ○ Nous aimerons ○ Vous aimerez ○ Ils/elles aimeront

Examples of -IR Verbs

- **Finir (to finish)**
 - Je finirai
 - Tu finiras
 - Il/elle/on finira
 - Nous finirons
 - Vous finirez
 - Ils/elles finiront
- **Choisir (to choose)**
 - Je choisirai
 - Tu choisiras
 - Il/elle/on choisira
 - Nous choisirons
 - Vous choisirez
 - Ils/elles choisiront

Key Notes

- The futur simple endings are the same for all regular verbs, regardless of whether they end in -er or -ir.
- For irregular verbs, the stem changes, but the endings remain the same (e.g., *avoir* → *j'aurai*).
- Always keep the final "r" of the infinitive form for regular verbs before adding the endings.

EXERCICES

Complétez les phrases avec la forme correcte au futur simple.

1. Demain, je _____ (parler) avec mes amis.
2. Nous _____ (jouer) au football après l'école.
3. Tu _____ (chanter) une chanson lors de la fête.
4. Ils _____ (aimer) ce nouveau restaurant.
5. Vous _____ (regarder) un film ce soir.
6. Elle _____ (voyager) en Italie l'année prochaine.
7. Je _____ (dessiner) un paysage pour mon projet.
8. Nous _____ (acheter) des cadeaux pour Noël.
9. Il _____ (danser) toute la nuit lors de la soirée.
10. Elles _____ (marcher) dans le parc après le déjeuner.
11. Tu _____ (étudier) pour ton examen demain matin.
12. Nous _____ (penser) à une solution pour ce problème.
13. Elle _____ (écouter) de la musique avant de dormir.
14. Vous _____ (visiter) un musée avec vos enfants.
15. Je _____ (aider) mes parents à préparer le dîner.
16. Ils _____ (manger) dans un bon restaurant ce week-end.
17. Nous _____ (rêver) de grandes aventures cette nuit.
18. Elle _____ (arriver) à l'heure pour la réunion.
19. Tu _____ (sauter) de joie en apprenant la nouvelle.

20. Ils _____ (créer) une nouvelle application innovante.
21. Je _____ (appeler) mon ami pour discuter.
22. Vous _____ (nettoyer) votre chambre avant de partir.
23. Elles _____ (danser) lors du mariage de leur amie.
24. Nous _____ (travailler) ensemble sur ce projet.
25. Il _____ (nager) dans la piscine toute la journée.

25 Exercices à trous avec des verbes en -IR au futur simple

Complétez les phrases avec la forme correcte au futur simple.

1. Je _____ (finir) mon travail avant midi.
2. Nous _____ (choisir) un film pour la soirée.
3. Tu _____ (réfléchir) à ta décision avant de répondre.
4. Ils _____ (grandir) encore cette année.
5. Vous _____ (réussir) si vous faites des efforts.
6. Elle _____ (rougir) si on parle d'elle en public.
7. Je _____ (maigrir) grâce à un régime équilibré.
8. Nous _____ (grossir) si nous mangeons trop de sucreries.
9. Ils _____ (vieillir) ensemble, heureux et en bonne santé.
10. Tu _____ (bâtir) une maison magnifique un jour.
11. Elle _____ (applaudir) les musiciens après le concert.
12. Nous _____ (remplir) les formulaires nécessaires.
13. Vous _____ (réagir) rapidement à cette situation.
14. Ils _____ (punir) les coupables de leurs actions.
15. Je _____ (découvrir) de nouveaux endroits cet été.
16. Elle _____ (offrir) un beau cadeau à son ami.
17. Nous _____ (souffrir) moins une fois guéris.
18. Ils _____ (cueillir) des fleurs dans le jardin.
19. Tu _____ (haïr) l'injustice toute ta vie.
20. Je _____ (investir) dans un projet innovant.
21. Vous _____ (nourrir) les oiseaux au parc demain.
22. Elle _____ (ralentir) pour éviter un accident.
23. Nous _____ (unir) nos forces pour réussir.
24. Ils _____ (bondir) de joie en entendant la nouvelle.
25. Je _____ (garantir) la qualité de ce produit.

<p>14.</p>	<p>PERFORMING ARTS</p> <p>ITEM 1</p> <p>Jane loves acting, singing and dancing. She has performed in school plays and community events. She has chosen to take on her career and plans to organize a concert at the end of the year. However, her parents think that a career in performing arts may not earn her enough money and are discouraging her from taking it on.</p> <p>Task</p> <ol style="list-style-type: none"> 1. What performing arts career opportunities in performing arts can help Jane earn a living? 2. Make a write up to Jane’s explaining how she will be able to earn from the career opportunity mentioned above. 3. Create a poster that will be used by Jane to market her end of year concert <p>ITEM II</p> <p>Ajok is a new student to your school. She is interested to join the music class. She has never attended any music lesson. But she found when you have finished studying the music composition topic. The teacher has requested you to help her.</p> <p>Task</p> <p>Guide the learner to compose the answer melody in simple time to have and eight bar melody</p> <p>Item III</p> <p>Sadik is a music student in your class. She is interested to join the music class. She has never attended any music lesson. But she found when you have finished studying the music composition topic. The teacher has requested you to help her.</p> <p>Task</p> <p>Guide the learner to compose the answer melody in compound time to have and eight bar melody</p>
<p>15.</p>	<p>KISWAHILI</p> <p>KIFURUSI CHA LIKIZO</p> <p>KIDATO CHA NNE.</p> <p>Metheli ni mojawapo wa fasihi simulizi ambazo husisimua na kuelimisha wanajamii Kwa mfano “Aliye juu muongojee chini”, “Harakaharaka haina Baraka”, na “Mfuata mbili moja humponyoka”. Teua methali moja kati ya hizo tatu na uandike insha ukiizingatia.</p>

16. PHYSICAL EDUCATION

Answer all the items in the Class work book

Scenario 1

Sara loves playing soccer and has joined a local team. During a game, she runs around a lot and notices that her heart is beating faster, and she's breathing harder. Explain how the different body systems are working together to help her play soccer.

Task:

How does each part of her body contribute to keeping her active and enjoying the game?

Scenario 2

The prevalence of non-communicable diseases like diabetes, hypertension, and cancer is rising in East Africa, posing significant challenges to healthcare systems and economies. Lifestyle factors such as unhealthy diets, physical inactivity, and tobacco use are major contributors to this trend.

Task:

Analyze the strategies that individuals, communities, and governments in East Africa can implement to prevent and control such diseases.

Scenario 3

The rise of social media and television has transformed the sports landscape in Uganda. While media coverage has increased fan engagement, it also raises concerns about commercialization, athlete mental health, and the portrayal of athletes.

Task:

- a. Investigate the relationship between media coverage and sports, highlighting how television impacted sports.
- b. Discuss the contemporary issues affecting sports in the digital age.