


GREENHILL ACADEMY SECONDARY

S3 HOLIDAY WORK

NO.	SUBJECTS
1.	<p>S.3 BIOLOGY HOLIDAY WORK</p> <p><u>Instructions;</u></p> <ul style="list-style-type: none"> ✓ This work should be written in the biology class books. ✓ Answer all the given questions <p><u>Carry out research using text books as well as internet and answer the questions below;</u></p> <ol style="list-style-type: none"> 1. a) Find out the structure of a brain showing the key components/parts of the brain; draw and label it b) State the key components/parts of the brain and state the function of each component/part. 2. a) State the two major types of nervous system b) Define the term neurone. c) State the parts forming a neurone. d) State, draw and label the three different types of a neurone. e) State a function of each neurone. 3. a) Giving examples, explain what you understand by voluntary and involuntary responses. b) Identify the key differences between voluntary and involuntary responses 4. a) Identify the five parts of the reflex arc using a diagram b) Describe what happens in reflex action using a diagram. c) How does reflex action benefit organisms? 5. a) Define the term drugs b) Distinguish between drug use and drug abuse. c) Identify the common drugs and substances that are abused in Uganda. d) Discuss the reasons why some people get involved in drugs and substance abuse. e) Discuss the effects of drugs and substance abuse to peoples. (Physiological, social and economic). <p>END</p> <p align="center"><u>Nice holidays and Merry Christmas</u></p>
2.	<p align="center">S.3 English Holiday work, Term 3 2023</p> <p>Imagine you need a large sum of money to pay for a very important commodity or service that you have wanted so badly for a long time. No one is able to come to your aid or lend you money, so the only options you have is to either save your monthly allowance in a savings box or take out a loan from a bank.</p> <p>Tasks:</p> <ol style="list-style-type: none"> 1. Using durable materials make a saving box that you will use to save your monthly allowance. 2. Using ICT, type and print a formal letter of request to the bank manager requesting for a loan. In your letter; <ul style="list-style-type: none"> • Clearly state the reason why you need the loan. • State the amount of money you are requesting for.

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	<ul style="list-style-type: none">• Describe how you will repay the loan, including the collateral you will offer to get the loan.• Use polite language and correct letter format. <p>NB: Before printing your letter, make sure you have used; Office Word, Times New Roman, font size 12, double spacing of 1.5, and the text must be distributed evenly between the margins.</p>
3.	<p style="text-align: center;">S.3 HOLIDAY WORK ENTREPRENEURSHIP EDUCATION</p> <p>1. Ssemanda is a resident of a resident of Basoka Kwavula village. During the covid lock down of 2021, he started a charcoal briquettes making business.</p>  <p><i>Fig: Charcoal briquettes in a solar dryer.</i></p> <p>In his first three years of operating the business he met various challenges and always got the business back on its feet. The last challenge that almost left his business crippled was selling 8,000 kgs of charcoal briquettes to a one Mr Kavuma on credit without documenting anywhere. He has reported the case at the police station and also tried to sue Mr Kavuma in courts of law. The police investigations however indicate that Ssemanda does not record his business transactions because he doesn't know how to record financial transactions systematically and accurately.</p> <p>Task Using the following information extracted from the books of SSEBUGUZI ENTERPRISES for the month of December 2018:</p>

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	<p>December 2018.</p> <table><tr><td>1st</td><td>Balance b/d</td><td>Cash in hand</td><td>Shs 88,000</td></tr><tr><td></td><td>Balance b/d</td><td>Cash at bank</td><td>Shs 129,000</td></tr><tr><td>3rd</td><td>Bought Furniture for business use by cash</td><td></td><td>Shs 13,000</td></tr><tr><td>4th</td><td>Bought goods by cheque</td><td></td><td>Shs 7,000</td></tr><tr><td>6th</td><td>Withdrew money from bank for business use</td><td></td><td>Shs 39,000</td></tr><tr><td>8th</td><td>Paid for insurance by cash</td><td></td><td>Shs 1,000</td></tr><tr><td>10th</td><td>Sold goods on credit to DEO</td><td></td><td>Shs 6,000</td></tr><tr><td>14th</td><td>Bought goods on credit from GRUNADE</td><td></td><td>Shs 5,500</td></tr><tr><td>16th</td><td>Cash sales were worth</td><td></td><td>Shs 8,400</td></tr><tr><td>19th</td><td>Paid salaries by cheque</td><td></td><td>Shs 19,000</td></tr><tr><td>20th</td><td>DEO cleared her account using cheque</td><td></td><td></td></tr><tr><td>23rd</td><td>Some cash was banked</td><td></td><td>Shs 8,300</td></tr><tr><td>24th</td><td>Paid part of GRUNADE's money by cheque</td><td></td><td>Shs 3,500</td></tr><tr><td>27th</td><td>Bought goods by cheque worth</td><td></td><td>Shs 7,400</td></tr><tr><td>29th</td><td>Sold old furniture by cheque</td><td></td><td>Shs 4,000</td></tr><tr><td>30th</td><td>Bought a vehicle by cheque</td><td></td><td>Shs 29,000</td></tr><tr><td>31st</td><td>Received a cheque from sales</td><td></td><td>Shs 1,000</td></tr><tr><td>31st</td><td>Banked all cash.</td><td></td><td></td></tr></table> <p>Required: Demonstrate to Ssemunda how he can overcome his weakness discovered in the police investigation report.</p>	1 st	Balance b/d	Cash in hand	Shs 88,000		Balance b/d	Cash at bank	Shs 129,000	3 rd	Bought Furniture for business use by cash		Shs 13,000	4 th	Bought goods by cheque		Shs 7,000	6 th	Withdrew money from bank for business use		Shs 39,000	8 th	Paid for insurance by cash		Shs 1,000	10 th	Sold goods on credit to DEO		Shs 6,000	14 th	Bought goods on credit from GRUNADE		Shs 5,500	16 th	Cash sales were worth		Shs 8,400	19 th	Paid salaries by cheque		Shs 19,000	20 th	DEO cleared her account using cheque			23 rd	Some cash was banked		Shs 8,300	24 th	Paid part of GRUNADE's money by cheque		Shs 3,500	27 th	Bought goods by cheque worth		Shs 7,400	29 th	Sold old furniture by cheque		Shs 4,000	30 th	Bought a vehicle by cheque		Shs 29,000	31 st	Received a cheque from sales		Shs 1,000	31 st	Banked all cash.		
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4.	<p>S3 FRENCH HOLIDAY WORK</p> <p>Research Activite; Ecrire une carte postale pour parler de vos vacances. Your presentation must include the following;</p> <ul style="list-style-type: none">- Les sites touristiques- Les lieux de vacances- Les moyens de transport- Les loisirs et les activités sportives <p>https://www.youtube.com/watch?v=Rnlz7y2htvQ</p> <p>NB; Watch this video and use it as your guiding tool. In case of any questions do not hesitate to WhatsApp 0701236927.</p>																																																																								
5.	<p>Senior three Geography Holiday work 2023</p> <p>Planet earth is divided into three major climate zones.</p> <p>a) With illustration(s), identify them, clearly stating the particular areas where each is experienced.</p>																																																																								

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	<p>b) Identify the major characteristics of each of these climatic regions/zones.</p> <p>c) There are four major known seasons experienced all around the world. Identify them and state their major features.</p> <p>NOTE: use a small book of 96 pages to do your holiday work</p>
6.	<p style="text-align: center;">S.3 HISTORY AND POLITICAL EDUCATION TERM 3 2023 HOLIDAY WORK</p> <p>TOPIC: PATRIOTISM IN UGANDA</p> <p>Research and make good notes about the following</p> <ol style="list-style-type: none">1. Meaning of patriotism2. Write and show six differences between patriotism and Nationalism3. Draw or paste two photos of patriotic people in Uganda4. Clearly with good explanation;<ol style="list-style-type: none">a. Show why patriotism is taught in Ugandab. Show the benefits of being patriotic to your countryc. Indicate the challenges faced by Patriotic people in the different countriesd. How can the above challenges be solved?5. Write notes about four nation builders.6. Write notes about Africanisation of Uganda's Economy in 1972.7. Expulsion of Asians<ol style="list-style-type: none">a. What were the effects of expulsion of Asians to the Asians?b. What were the effects of expulsion of Asians to Ugandans?8. Choose one voluntary service organization in Uganda and make notes.<ol style="list-style-type: none">a. Activities of the organizationb. Challenges faced by the organization <p>Activity of integration</p> <p>"Imagine a community event where people from diverse backgrounds and beliefs come together to celebrate a national holiday. Discuss how expressions of patriotism might vary among the participants. Consider different ways individuals might show their love for their country, and explore the role of inclusivity and respect for differing perspectives in fostering a sense of unity during such an event."</p>

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	<p>Certainly! Here are some possible answers to the scenario question about patriotism:</p> <ol style="list-style-type: none"> 1. Flag Displays and Colors: <ul style="list-style-type: none"> • Some individuals might express patriotism by proudly displaying the national flag or wearing clothing with national colors. • Others may choose to decorate their surroundings with patriotic symbols, such as banners or posters. 2. Cultural Performances: <ul style="list-style-type: none"> • Participants might engage in cultural performances, showcasing traditional dances, music, or art forms that are representative of their country's heritage. • These expressions can serve as a way to celebrate and share the diversity within the nation. 3. Community Service: <ul style="list-style-type: none"> • Patriotism can also be demonstrated through community service. Some individuals may choose to volunteer or participate in projects that contribute to the well-being of their local community or the nation as a whole. 4. Inclusive Celebrations: <ul style="list-style-type: none"> • Recognizing and respecting diverse perspectives is crucial. An inclusive celebration might involve acknowledging the various ways people express patriotism, even if it differs from one's own. 5. Open Dialogue: <ul style="list-style-type: none"> • Encouraging open dialogue and discussions about patriotism allows individuals to share their unique experiences and perspectives. • This fosters understanding and appreciation for the different ways people connect with and contribute to their country. 6. National Anthem and Symbolic Gestures: <ul style="list-style-type: none"> • Some individuals may choose to participate in collective acts of patriotism, such as singing the national anthem or engaging in symbolic gestures like a pledge of allegiance. 7. Educational Activities: <ul style="list-style-type: none"> • Patriotism can also be expressed through educational activities. Workshops, talks, or exhibitions about the nation's history, achievements, and challenges can contribute to a deeper understanding and appreciation for one's country.
7.	<p style="text-align: center;">S3 ICT Holiday work.</p> <p>Instruction. Scan the QR code using your smartphone and follow instructions.</p>

	
8.	<p>KISWAHILI KIFURUSI CHA LIKIZO KIDATO CHA TATU.</p> <p>1. katika tamaduni za kiafrika, mwanamke hastahili kupata nafasi katika jamii kwa mfano kuongoza sekta yoyote.hapa umechaguliwa kuwa mwenye kiti katika kijiji chako ambapo kwao tamaduni ni kipau mbele. Utawezaje kuwashawishi ili waelewe umhimu wa mwanamke katika maendeo ya jamii?</p> <p>2. unapotembea katika jiji la kampala utakuta karatasi za plastiki zimejaa kila mahali na inaaminika kuwa zinaharibu rasilimali. (a) Wewe kama mzalendo unadhania ni rasilimali gani zinazo haribiwa? (b) Shawishi serikali ili iweze kutunza rasilimali zake kwa manufaa ya wananchi.</p>
9.	<p>S3 LITERATURE HOLIDAY WORK 2023</p> <p>1. Imagine that you live in a sub-county where there are very few primary schools. Most parents are farmers and they grow cash and food crops. They want their children to go to school. Many children have to walk very long distances to school, often arriving late and tired. They are not learning much as they miss the first few lessons of the day and fall asleep during others. Some get home after dark when they leave school in the evening and face many dangers walking on lonely roads or paths. Some of their parents do not always understand the difficulties that the children face. For a long time, the government has promised the establishment of more schools, but this has not happened as no funds have been allocated for it.</p> <p>Your class has decided to write a short play to demonstrate how community leaders should mobilize the people to start a community school as a solution to the problem. One of the</p>

	key resources that the leaders want to exploit is the presence of trained but unemployed teachers in the community. Write a play.
10.	<p>S3 MATHEMATICS HOLIDAY WORK Attempt the 2 items in your classwork book & graph book.</p> <p>Item 1 You have invited your friend to your graduation party but have never been at the venue and do not know the directions to it. You inform him that there are two routes to the venue from his home. Route one is for a car and has no dust. From his location, the car moves 7km North-East, then moves 3000m to the East and then turns 90° to the right hand side and moves 10km to reach the venue. The second route is dusty and you can only use a 'bodaboda' but it is a straight stretch from his location to the venue.</p>  <p>The 'bodaboda' charges sh. 4000 per km yet the a Car sh.20,000 per km. Your friend requests you for a sketch clearly showing the routes that can be used and how much it can cost at each route. Task: Come up with the map on scale for your friend and with a justified reason, which route do you advise the friend to use.</p> <p>Item 2 A day and boarding school has 200 day scholars and 300 boarding learners paying One million five hundred thousand and two million five hundred thousand respectively. In one term, the school budget subdivided into four major components of academics, Welfare, Petty cash and Salaries in which; $\frac{1}{3}$ was a vote for welfare, ; $\frac{1}{3}$ was for Academics, 25% of that of welfare and academics was the vote for Petty cash and the rest was the vote for salaries of 4 months. 0.0333.... of the fees was not collected and the head teacher could not raise 60% of the salaries of the fourth month. He decides to borrow that amount such that he clears the salaries. TASK: Help the head teacher with a workout of how much he should borrow as a percentage of the fees not collected. End</p>
11.	S.3 PHYSICAL EDUCATION HOLIDAY ASSESSMENT

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	<ol style="list-style-type: none">1. "Picture a badminton doubles match where players have varying skill levels. One pair consists of experienced players while the other pair includes beginners. Discuss the potential safety concerns that may arise during the game due to the skill disparities. Also, outline specific strategies and communication techniques that the more experienced players can employ to ensure a safe and enjoyable playing experience for everyone involved. Consider aspects such as shot selection, court positioning, and any additional precautions that can contribute to both skill development and injury prevention."2. "Imagine two friends, Alex and Taylor, who have recently started playing badminton together. Alex has a background in tennis, while Taylor is new to racquet sports. Describe how Alex could leverage their tennis skills to quickly adapt to badminton, and suggest specific adjustments or techniques that might help Taylor, as a beginner, develop fundamental badminton skills more effectively. Consider aspects such as footwork, grip, and shot techniques in your response."3. "Two friends, Sam and Jordan, decide to try their hand at playing cricket. Sam has a background in baseball, while Jordan has never played a bat-and-ball sport before. Discuss how Sam can leverage their baseball skills to adapt to cricket, and propose specific techniques or adjustments that might help Jordan, as a beginner, develop fundamental cricket skills. Consider aspects such as batting stance, bowling technique, and fielding strategies in your response."4. "Picture a cricket match with two teams: one team has experienced players, and the other has a mix of beginners and intermediate players. What challenges might the less experienced team face? How can the experienced players help their teammates improve their batting, bowling, and fielding skills during the match?"5. "During a hockey match, Player A on your team gets injured. Describe the immediate steps you, as a teammate, would take to ensure Player A's safety and well-being. Outline the appropriate procedures for dealing with the injury on the field and discuss how communication and teamwork can play a role in managing the situation effectively." <p>"During a hockey match, Player A on your team gets injured. Describe the immediate steps you, as a teammate, would take to ensure Player A's safety and well-being. Outline the appropriate procedures for dealing with the injury on the field and discuss how communication and teamwork can play a role in managing the situation effectively."</p>
12.	<p style="text-align: center;">S3 PHYSICS HOLIDAY WORK TERM 3 2023</p> <p style="text-align: center;"><u>TOPIC. ELECTRICITY</u></p> <p><u>INSTRUCTIONS TO STUDENTS</u></p> <p>Answer all questions</p> <ol style="list-style-type: none">1. Imagine you wake up one morning to find that all electrical devices in your home are not working. The lights won't turn on, your phone won't charge, and even the coffee maker refuses to brew. In this situation, how would you explain the

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	<p>importance of electricity and its role in powering the devices we rely on daily? Additionally, what key components and processes are involved in the generation and distribution of electricity to homes and businesses</p> <p>2. Exploring terms about current electricity. Watch the video on the link https://youtu.be/7H1SqzOliU?t=217 Describe the following terms as used in electricity, state their SI units and instrument used in measuring them.</p> <ol style="list-style-type: none"> i. Current. ii. Charge. iii. Resistance. iv. Voltage. v. Electromotive force (emf). vi. Internal resistance. <p>3. You are tasked with setting up a sound system for a small outdoor concert. The speakers have a resistance of 8 ohms, and you plan to connect them to an amplifier with a voltage of 24 volts. According to Ohm's Law, determine the current flowing through the speakers. Additionally, explain how Ohm's Law is applicable in this scenario and why it's crucial for ensuring the proper functioning of the sound system. Illustrate on a graph the relationship between voltage, current, and resistance in the context of your outdoor concert setup. State ohmic and Non ohmic conductors and illustrate the variation of current with voltage in both.</p> <p>https://youtu.be/E8KI9I-QoU?t=224</p>
13.	Art Notes -Online
14.	Chemistry Notes -Online
15.	CRE Notes - Online
	A link will be shared to access notes