SUMMER TASK 2021
LBISE & GBISE

Grade 8 & 9

Grade 8
English

Learning Task:

- Unit 1 & 2: Savior of the Mankind Patriotism
- Meanings of difficult words
- Comprehension Q/A

Urdu

روداد نویسی:

1::جلسہ تقریباتیوم آزادی::2::ادبی مشاعرہ

مکالمہ نویسی:

1: سیرتالنبی پیر مکالمہ::

2: دکاندار اور خریدار کے درمیان مکالمہ

• جملے کے اجزائے ترکیبیا اور ترکیب نحوی

مرکب کی تعریف اور مرکب کی اقسام

• خط کے اقسام اور اس کے حصے کے بارے میں بتائے۔

اپنی سہیلیکے نام اسکیسا لگر کے موقع پر مبارکباد کا خطلکھیے اور سالگرہ میں شرکتکید عوتنہلنے پر آپ ندلیکیفینکا اظہار کریں۔

سوال نمبر 1 :: مندرجہ ذیل الفاظ و تراکیب کے معنی لکھیں اور جملوں میں استعمال کریں۔

حبل المتین، تکویسرت، صیغہ تمیم، ابرکرم، مبالغہ آمیز، اجرام سماوی، ذروسیم،اولوالعزم، مکرو تحریری، نادر الوجود، جنس فراواں،

دفع مضرت، جلب منفعت، نسیافنیا، مقتضائے بشریت، ابنائے جنس، عروۃالوثقی، نیستو نابود،

سوال نمبر 2 :: کتابی نظم " برسات کی بہاریں "میں جبطر حشاعرنے بر ساتکیبہاریں کیمنتظر کشلیبے اسیطر حآپنے اسکیمنتظر کشییکر یبکپر کرنیبے۔

نصابی کتاب کے اسباق کی پڑھائی

1۔ سیرت سرور عالم صلی اللہ علیہ وآلہ وسلم

2: قومی اتفاق

3۔ رب کائنات (حمد)

Pakistan Studies

- Write down the contributions of Quaid-e-Azam in the making of Pakistan.
- Make a map of Pakistan on a chart and show the locations of the following:

  1) Mountains
  2) Glaciers
  3) Plateaus
  4) Plains
  5) Forests

- You can either draw them or show it by symbols.
- Prepare 15 MCQs from chapter 1 and 2. 15 from each chapter

Islamiat

- Memorization of:
1. Surah Fajr
2. AYAT UL KURSI
- NAZRA of 23rd para
- Reading of lessons
- Belief in Akhira
- Uswa hasana of Prophet SAW
- Make a small booklet on the life of Hazrat Fatima RA. That booklet should not be more than 10 pages. Include all the details. You can take help from internet and other source of information.
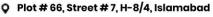
Chemistry

- Project no 1: Draw 3D model of an atom.
- Project no 2: Make flowsheet diagram of branches of chemistry
- Project no 3: What is the role of chemistry in your daily life write at least 10 points.
- Project no 4: Justify you self as a junior scientist. write activities as junior scientists.
- Project no 5: How chemists are working for improving environmental. write research of different chemists.
- Project no 6: Make a chart first 20 elements learn and write name of element its symbol atomic number mass number no of electron proton and neutron
- Project no 7: What is the role of Physics in daily life. Give some examples.
- Project no 8: Measure your height in cm, inches, meters
- Project no 9: Draw a 3D model of animal cell.
- Project no 10: What is your favorite branch of Biology? Why do you want to pursue your career in it? Make a chart with at least 10 convincing reasons.
- Project no 11: How biologists are helping the human beings in this state of pandemic? Write down a research report on it.

Mathematics

Chapter No. 01: (Matrices and Determinants)
- What is matrix? Give example from daily life?
- How many types of matrices? Define each with daily life example?
- How matrices are used in real life?
- What is the use of matrices in economics?
- What is difference between diagonal matrix and scalar matrix?
- Describe the parts of a matrix and what they represent?
- Practice adding and subtracting matrices, as well as multiplying matrices by scalar numbers.
- What are singular and non-singular matrices? Give their Exanples?
- Discuss the properties of identity matrix?
- Prove the following by taking random values of A, B and C

    a) $A+B=B+A$
    b) $AB=BA$
    c) $A(BC)=(AB)C$
    d) $A+(B+C)=(A+B)+C$
    e) $A(B+C)=AB+AC$
    f) $A(B-C)=AB-AC$

Computer Science

- Project 1: Solve Chapter 1 exercise Question short and long both.
- Project 2: Find names and pictures of 2nd generation of computers.
- Project 3: Write a detail documents on how a microphone accept data and send it to sound card and what operations are being performed by sound card.

Grade 9
English

- **Unit 9 & 1**
- Meanings of difficult words
- Comprehension Q/A

Writing Task:

- Paragraph writing
  i) Kindness of Rasool (S)
  ii) Street crimes
  iii) Gardening is my hobby
- Dialogue writing:

i) Dialogue between a political activist and a teenager. (Political activist tries to make the teenager understand the importance of Patriotism)

ii) Dialogue between two friends on how to utilize free time.

Grammar Practice:

- Identify kinds of nouns, pronouns and articles in your paragraph writing.

Identify nouns with red; identify pronouns with green and articles with blue.

Project:

Memories:

- A memorable journey
- A horror dream (unforgettable)
- A memorable day (birthday, trip day, farewell)

Urdu

روداد نویسی::1::جلسہ تقریباتیوم آزادی::2::ادبی مشاعرہ

:: مکالمہ نویسی::1::سیر تانسپیر مکالمہ::2::دکاندار اور خریدار کے درمیان مکالمہ

• جملے کے اجزائے ترکیبی اور ترکیبی نحوی، مرکب کی تعریف اور مرکب کی اقسام

خطوط کی اقسام اور ان کے حصے بیان کریں •۔

اپنی سہیلی کے نام خط لکھیے اور امتحانات میں نمایاں کارکردگی کا مظاہرہ کرنے پر مبارک باد دیجیے •

چچا کے نام سالگرہ پر ملنے والے تحفے کے شکریہ کا خط لکھیے۔

سوال نمبر 1:: مندرجہ الفاظ تراکیب کے معنی لکھیں اور جملوں میں استعمال کریں۔۔۔۔۔۔۔۔۔۔ جنس

فراواں، نادر الوجود، مکر و ہ تحریری، ذروسیم، اولو العزم، اجرامِ سماوی، مبالغہ آمیز، ابرِ کرم، صیغہء تعظیم، نکو سیرت، حبلِ التین، نیستو نابود، عروۃ الوثقی، ابنائے جنس، مقتضائے بشریت، ن سیاسیہ، جلبِ منفعت، دفعِ مضرت،

سوال نمبر 2:: کتابی نظم "برسات کی بہاریں" میں جس طرح شاعر نے برسات کی بہاریں کی منظر کشی کی ہے آپ اپنے اسٹیبل کریک کی منظر کشی کریں۔

نصابی کتاب کے اسباق کی پڑھائی

سیر سرورِ عالم صلی اللہ علیہ و آلہ و سلم::2::قومی اتفاق::3::ربِ کائنات (حمد)::1

Pakistan Studies

- Make a small magazine related to the making of Pakistan. That should include all the important events took place from 1857 (war of independence) to 1947 (making of Pakistan). It shouldn't be more than 20 pages. Include pictures too.
- Prepare 15 mcqs from chapter 3 and 4. 15 mcqs from each chapter.
- Revise chapter 1 and 2 thoroughly.

Islamiat

- Write Down and memories words and Compounds from verse 1 to 35 Surah Anfal that are at End of lesson (Ruku).
- All Covered Syllabus Short Question answer Write with understanding from Unit A,B,C
- Write first Hadith
- Translation explanation and relate with practical life:

(افضل الاعمال لا اله الا الله وافضل الدعاء الاستغفار)

- Make a small booklet on the event of Ghazwa e Badr. That booklet should not be more than 10 pages. Include all the details and you can add pictures too. You can take help from internet and other source of information.

Biology

- Project 1: Draw a 3D model of plant cell.
- Project 2: Write down a report of biological method taking COvid-19 as a biological problem.
- Project 3: Draw a 3D model that explain cell cycle in detail.
- Project 4: Draw a 3D model that explain the difference between structure of mitochondria and chloroplast.
- Project 5: Make 05 short questions (other than exercise questions) from chapter 1,2,3,4,5(05 questions each chapter)

Chemistry

- Project no 1: Make a 3D representation of atoms in each state of matter (by using cereal to represent atom)
- Project no 2: Make anchor chart to differentiate states of matter
- Project no 3: Read books about the states of matter (level 2 science what is the world made off by Weidner Ziegfeld/Meisel).
- Project no 4: Make a cup of hot chocolate to explore the states of matter
- Project no 5: Make a chart first 20 elements learn and write name of element its symbol atomic number mass number no of electron proton and neutron.

Chemistry

- Project no 6: Make 3D model to show trends of atomic size in periodic table.
- Project no 7: Liquids have low density compared to solids, but it is also observed that ice floats on water. Identify reason.
- Project no 8: why pitcher tends to cool down the water.
- Project no 9: for any substance why, the temperature does remains constant during state change.
- Project no 10: what is sublimation process? Give a daily life application and example.
- Project no 11: what type of clothes should we wear in summer and why?
- Project no 12: find out which theory proved that there is fence mass in the center of atoms.
- Project no 13: Find out why we feel sting on Ant bite, which chemical interact with body and what is expected of person to do to get rid of sting.

Mathematics

Chapter: 02 Real and Complex Numbers

- Differentiate between real and complex Numbers with Examples used in real life.
- Define laws of exponents/indices? Also write its applications.
- What sre the Properties of Inequalities of real Numbers
- Define complex Numbers? Write their properties.
- Do Exercise 2.4 and 2.6 on lose sheets as R.A?

Chapter 05: Factorization

- Define factorization? Write its real-life examples.
- Do Exercise 5.1, 5.2, 5.3 and 5.4 on lose sheets as R.A.?

Physics

- Explore different sources of energy used in daily life and also make a presentation of their advantages and disadvantages.
- Make a model of solar plate and show in your model that how it works.
- Draw energy conversion diagram of all types. How electricity is produced through dam?
- Make a model of Mangla Dam and explain production of electricity. Show conversion of K.E into P.E and P.E into K.E through animations.

Computer Science

- Project 1: What are the uses of computer network and how we can improve it?
- Project 2: What different type of security threats occur in computer network. Detail concept and issues must be discussed.
- Project 3: Names of different scientific areas where infrared technology/ infrared waves are used.