

THE BLOSSOMS
SCHOOL
MUZZAMMIL MANZIL CIVIL LINES
ALIGARH
(AFFILIATED TO CBSE)



NOTE: The work done and submitted will be a part of the Board Exams marks. So please give it due importance and do it seriously.

ENGLISH HOLIDAY HOMEWORK

1. Read a short story by any of the good authors like Ruskin Bond, Sudha Murthy, O' Henry , Leo Tolstoy, Anton Chekhov and so on.

Now, write the story in the form of a play.

Do the illustration as well.

2. Watch a good movie, of your choice, in English.

Write a critical appraisal of the movie.

Also describe your favourite character from the same movie.

Design a poster for the movie seen by you.

HINDI HOLIDAY HOMEWORK

1. किन्ही पाँच राज्यों के प्रसिद्ध नृत्यों (**Famous Dances**) के बारे में जानकारी एकत्रित कीजिए तथा उससे संबंधित चित्र सहित **PowerPoint (PPT)** तैयार कीजिए।

2. मेघालय या अरुणाचल प्रदेश की कला और संस्कृति (**Art and Culture**) के बारे में जानकारी एकत्रित कीजिए। उससे संबंधित चित्र सहित परियोजना (**Project**) बनाइए।

URDU HOLIDAY HOMEWORK

نظم ' حمد ' میں شاعر نے جس طرح اللہ کی حمد و ثناء کرتے ہوئے اسکی قدرت اور نعمتوں کا ذکر کیا ہے ، آپ تصوّر میں ان کو لاتے ہوئے قلم سے ان کی منظر کشی کیجیئے اور تصاویر بھی بنائیئے اور مختصراً ان پر اپنے خیالات کا اظہار بھی کیجیئے۔

'اے ذوقِ تکلف میں ہے تکلیف سراسر'

اس موضوع پر ایک طرف ' تکلف سے تکلیف ' اور دوسری طرف ' بے تکلفی سے زحمت ' پر دو تصاویر بنائیئے اور ان پر تبصرہ کیجیئے۔

" یا "

اس سبق میں دو بے تکلف دوستوں کے درمیان جو گفتگو ہوئی ہے اسکو ' مکالمہ ' میں لکھیئے اور ایک ڈرامے کی طرح سے مکمل کیجیئے۔

تعطیلاتِ گرما کو کارآمد بنانے کے لیئے کچھ اہم نکات:

اپنی اردو کو بہتر بنانے کے لئے روزانہ سبق کی بلند خوانی کیجیئے اور سبق سے متعلق مشکل الفاظ کا املا لکھیئے۔ روزانہ کم از کم دو صفحات کو خوشخط لکھیئے۔ مضمون نگاری کی مشق کیجیئے۔ موضوع سے متعلق اہم معلومات فراہم کیجیئے تب مضمون لکھیئے۔ تشریح اور خلاصہ لکھنے کی مشق کیجیئے۔

SOCIAL SCIENCE HOLIDAY HOMEWORK

GEOGRAPHY

Topics

1. Make a model or poster showing how our lives would be affected if the oil supply were exhausted.

OR

2. Plan a survey in your colony/village to investigate people's attitude towards recycling of the domestic/agricultural wastes. Ask questions about:

- (a) What do they think about resources they use?
 - (b) What is their opinion about the wastes, and its utilisation?
- © Present the results of your survey in the form of a collage.

HISTORY & CIVICS

According to Mahatma Gandhi, A National spirit is necessary for national existence. A flag is a material aid to the development of such a spirit.'

Make a poster portraying your thoughts and point of view on "Nationalism."

CIVICS

Prepare a chart on one of the democracies of the world portraying the following features:

- Its map
- Social divisions in the country.
- Power sharing arrangement
- Any other features which you may find significant.

ECONOMICS

Topics

Make a Collage or a poster depicting conflicting developmental goals of different people.

SCIENCE HOLIDAY HOMEWORK

BIOLOGY

TOPIC: LIFE PROCESSES

Now, it is a time to express our own ideas and process the information presented in class. Let's prepare an 'Interactive Student Notebook' and be a creative independent thinker and writer.

We already have prepared a mind map for the two life processes, that is Nutrition and Respiration in the class. Here, in the Interactive Student Notebook, information for the following life processes needs to be provided in the form of flow chart, mind map, Venn diagram etc.

CIRCULATORY SYSTEM

- Components of transport system in humans and their functions
- Blood vessels
- Structure of a Heart
- Functioning of a Heart and
- Double Circulation in humans

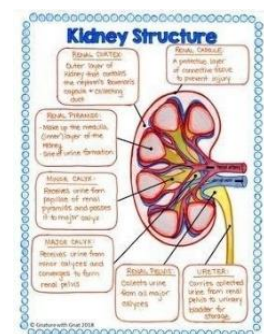
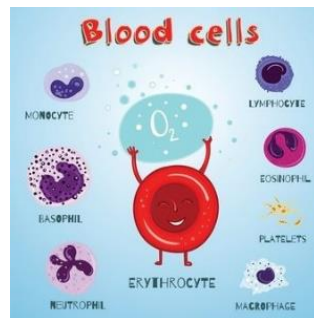
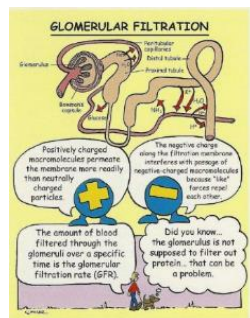
EXCRETORY SYSTEM

- Excretory system in human beings
- Structure of a Kidney
- Structure of a nephron

Criteria of Evaluation:

1. Visual appeal (5 Marks)
2. Expression (5 Marks)
3. Neatness (5 Marks)
4. Content accuracy (5 Marks)
5. Creativity (5 Marks)
6. Originality (5 Marks)

Some ideas have been given here for your reference.





Check the given link for more details : [\(452\) Pinterest](#)

EXPLORE!!!!!!!!!!!!!!

1. You are what you eat! The food we eat affects our appearance and health. Find out the common adulterants in food items, specified in the given table.

FOOD ITEMS	COMMON ADULTERANTS
Cereals	
Pulses	
Milk	
Edible oils	
Turmeric (Haldi)	
Coriander	
Black Pepper	

2. Normal respiratory rates based on age is as follows:

Age	Breaths per minute
birth to 1 year old	30–60
1–3 years old	24–40
3–6 years old	22–34
6–12 years old	18–30
12–18 years old	12–16
over 18 years old	12–20

Check your breathing rate/respiratory rate at rest. Now run for 5 minutes or climb 15 stairs and then check breathing rate. Do you find any difference? Specify it.

How to measure the respiratory rate?



Count the number of breaths for an entire minute or count for 30 seconds and multiply that number by two.

PS: Post the holiday homework in the holiday homework section of your Biology CNB. Bring a hard copy, when you will come to school, after vacation.

CHEMISTRY

ACTIVITY 1:

Make a Pictionary of 50 new words related to chemistry from the chapters of NCERT and paste pictures related to the topic.

ACTIVITY 2:

Find out at least 10 different chemical reactions happening in your daily life. Write down their balanced chemical equations and categorize them according to the type of reaction using power point presentation.

ACTIVITY 3:

Prepare Your Own Indicator:

- Crush beetroot in a mortar.
- Add sufficient water to obtain the extract.
- Filter the extract by the procedure learnt by you in earlier classes.
- Collect the filtrate to test the substances you may have tasted earlier.
- Arrange four test tubes in a test tube stand and label them as A, B, C and D. Pour 2 mL each of lemon juice solution, soda-water, vinegar, and baking soda solution in them, respectively.
- Put 2-3 drops of the beetroot extract in each test tube and note the colour change if any.
- Write your observation in a Table.
- Prepare indicators by using other natural materials like extracts of Red Cabbage leaves, coloured petals of some flowers such as Petunia, China Rose, and Turmeric.
- Use these indicators along with above mentioned acids and bases to design handkerchiefs, bedspreads, bags, belts, curtains, cushion covers, table mats, tray cloths etc. for your home using TIE and DYE technique.

SUBMISSION OF ACTIVITIES:

ACTIVITY 1 IN PROJECT FILE OR SCRAP BOOK.

ACTIVITY 2 IN PROJECT SECTION OF YOUR CLASS NOTEBOOK.

BRING THE DESIGNED ARTICLES OF **ACTIVITY 3** TO THE CLASS.




PHYSICS

Where to do: White Chart Paper (70cm x 56cm)



WHAT TO DO?



■ Watch the following videos  on **YouTube** and draw the ray diagrams, write notes , draw example figures. You can scan the barcode  also to watch the video.

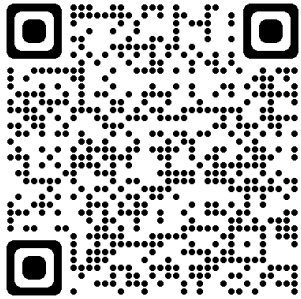
◆ You can use sketch pens, water colours, pencil colours, crayons etc. to make the chart beautiful.

● ***Marks of this activity will be included in your Subject Enrichment.***

VIDEO 1

What are Real and Virtual Images? | Reflection of Light

https://youtu.be/EwBK_cXUTZI



VIDEO 2

Mirror Equation - Derivation | Reflection and Refraction

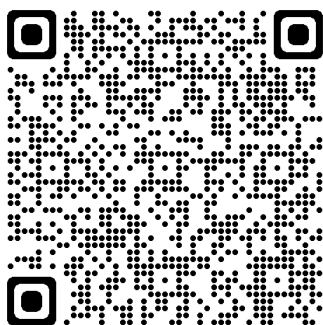
<https://youtu.be/TwaE8nZMOBw>



VIDEO 3

Uses of Concave Mirrors | Reflection

<https://youtu.be/QMEIx44Ikss>



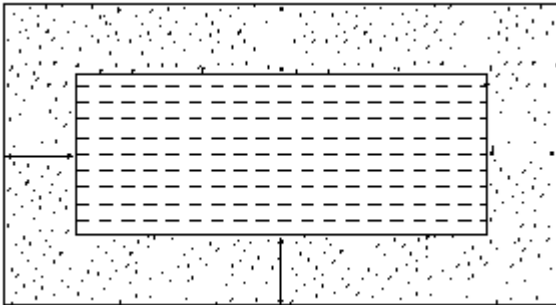
MATH HOLIDAY HOMEWORK

1. Find the 21st term of the AP whose first two terms are -3 and 4
2. If the common difference of an AP is 5 , then what is $a_{18} - a_{13}$
3. The taxi fare after each km, when the fare is Rs 15 for the first km and Rs 8 for each additional km, does not form an AP as the total fare (in Rs) after each km is $15, 8, 8, 8, \dots$
Is the statement true? Give reasons.
4. The number of bacteria in a certain food item after each second, when they double in every second.
5. Find a, b and c such that the following numbers are in AP: $a, 7, b, 23, c$.
6. Determine k so that $k^2 + 4k + 8, 2k^2 + 3k + 6, 3k^2 + 4k + 4$ are three consecutive terms of an AP.
7. How many numbers lie between 10 and 300 , which when divided by 4 leave a remainder 3 ?
8. Can the quadratic polynomial $x^2 + kx + k$ have equal zeroes for some odd integer $k > 1$?
9. If the remainder on division of $x^3 + 2x^2 + kx + 3$ by $x - 3$ is 21 , find the quotient and the value of k . Hence, find the zeroes of the cubic polynomial $x^3 + 2x^2 + kx - 18$
10. Given that the zeroes of the cubic polynomial $x^3 - 6x^2 + 3x + 10$ are of the form $a, a + b, a + 2b$ for some real numbers a and b , find the values of a and b as well as the zeroes of the given polynomial.
11. Find k so that $x^2 + 2x + k$ is a factor of $2x^4 + x^3 - 14x^2 + 5x + 6$. Also find all the zeroes of the two polynomials.
12. If the zeroes of the quadratic polynomial $x^2 + (a + 1)x + b$ are 2 and -3 , then find the value of a and b
13. If one of the zeroes of the quadratic polynomial $(k - 1)x^2 + kx + 1$ is -3 , then find the value of k
14. Find the value of k for which the quadratic equation $2x^2 - kx + k = 0$ has equal roots.
15. Write whether the following statements are true or false. Justify your answers.
 - (i) Every quadratic equation has exactly one root.
 - (ii) Every quadratic equation has at least one real root.
 - (iii) Every quadratic equation has at least two roots.

(iv) Every quadratic equation has at most two roots.

(v) If the coefficient of x^2 and the constant term of a quadratic equation have opposite signs, then the quadratic equation has real roots

16. In the centre of a rectangular lawn of dimensions $50\text{ m} \times 40\text{ m}$, a rectangular pond has to be constructed so that the area of the grass surrounding the pond would be 1184 m^2 [see Fig. given below]. Find the length and breadth of the pond.

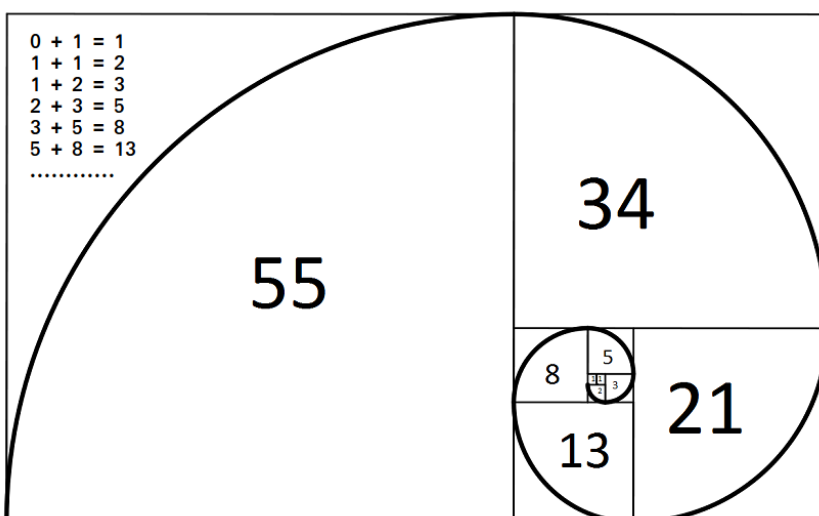


17. Is 0.2 a root of the equation $x^2 - 0.4 = 0$? Justify.

18. Had Hina scored 10 more marks in her mathematics test out of 30 marks, 9 times these marks would have been the square of her actual marks. How many marks did she get in the test?

19. If Zeba were younger by 5 years than what she really is, then the square of her age (in years) would have been 11 more than five times her actual age. What is her age now?

20. Find a natural number whose square diminished by 84 is equal to thrice of 8 more than the given number.



21. Prepare a report on real life applications of Fibonacci series?