



The Punjab Public School Nabha
Holiday Home Work
June-July, 2024
Class VII CAIE

ENGLISH

1. Create your own dictionary. Write two words everyday with meanings and their usage in sentences for at least 30 days.
2. Imagine you have an opportunity to enjoy a holiday trip with your favourite cartoon character. Create a comic strip of 2-3 pages depicting your experience of the trip.
3. Imagine you got an opportunity to spend time on Planet Mars. What will be the preparation and how will you plan to celebrate the wonderful day? Write it in about 100-120 words.
4. Prepare a PPT on Parts of Speech.
5. Listen to BBC News every day .
6. Revise Tenses.

Note: Please prepare a separate notebook for No. 1, 2 & 3.

HINDI

नोट-सारा कार्य कक्षा-कार्य नोटबुक में ही किया जाए एवं कार्य साफ सुथरा लिखे । लाइन छोड़ कर लिखे एवं कार्य पूरा करें।

- 1 संज्ञा, सर्वनाम ,लिंग, वचन ,विशेषण ,क्रिया विशेषण की परिभाषा उदाहरण सहित लिखें।
- 2 अपनी समझ से कोई एक कविता अपनी उत्तर पुस्तिका में लिखें।
- 3 निबंध लेखन- कबीर, मुंशी प्रेमचंद ।
- 4 यात्रावृत्तांत -गर्मी की छुट्टियों में आपके द्वारा की गई यात्रा का एक से 150 से 200 शब्दों में विवरण दीजिए ।
- 5 नीचे दिए गए चित्रों को आधार बनाकर 50 से 100 शब्दों में वर्णन करें।



6 ਦਸ ਸੁੰਦਰ ਲੇਖ ਲਿਖੋ ।

PUNJABI

ਨੋਟ :-ਲਿਖਾਈ ਸਾਫ਼ ਅਤੇ ਸੁੰਦਰ ਕਰੋ।

1. ਵਿਦਿਆਰਥੀ 15 ਪੰਨੇ ਸੁੰਦਰ ਲਿਖਾਈ ਦੇ ਕਰਨਗੇ।
2. ਤੁਸੀਂ ਆਪਣੀਆਂ ਛੁੱਟੀਆਂ ਕਿਵੇਂ ਬਿਤਾਈਆਂ? 250 ਸ਼ਬਦਾਂ ਵਿੱਚ ਲਿਖੋ।
3. ਆਪਣੀ ਵਿਆਕਰਨ ਪੁਸਤਕ ਵਿੱਚੋਂ ਕੋਈ 30 ਮੁਹਾਵਰੇ ਲਿਖੋ।
4. ਆਪਣੇ ਘਰ ਦੇ ਕਿਸੇ ਵੱਡੇ ਤੋਂ ਕੋਈ ਇੱਕ ਮੌਲਿਕ ਕਹਾਣੀ ਸੁਣੋ ਅਤੇ ਉਸਨੂੰ ਆਪਣੇ ਸ਼ਬਦਾਂ ਵਿੱਚ ਲਿਖੋ।
5. 'ਰੱਖੜੀ' ਅਤੇ 'ਮੋਬਾਇਲ ਫੋਨ ਦੇ ਲਾਭ-ਹਾਨੀਆਂ' ਵਿਸ਼ੇ ਉੱਪਰ ਲੇਖ ਲਿਖੋ।
6. ਵਿਦਿਆਰਥੀ (UNIT TEST) ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਨੂੰ ਲਿਖਤੀ ਰੂਪ ਵਿੱਚ ਹੱਲ ਕਰਨਗੇ।

ਛੁੱਟੀਆਂ ਦੇ ਕੰਮ ਲਈ ਵਿਦਿਆਰਥੀ ਨਵੀਂ ਕਾਪੀ ਦੀ ਵਰਤੋਂ ਕਰਨਗੇ।

COMPUTER

1. Learn how to play SUDOKU (3*3 and 6*6).
2. What is Computer Virus & types of virus?
3. What is Cyber Cyberbullying
4. Advantages and disadvantages of internet.
5. Octal to Hexadecimal Conversion Convert $(121)_8$ into hexadecimal.
6. Decimal to Hexadecimal Conversion Convert $(242)_{10}$ into hexadecimal.
7. Make a HTML webpage using these tags
(``, ``), ``, `<a href>`, tables `<tr>`, `<td>`, `<table>`.
`<Marquee>`, `<form>` `<h1>` `
`
8. What is hacking & Plagiarism?
9. Make a power point presentation on Artificial Intelligence.
10. Enter ten records (all subject marks entered out of 100)
 - a) Calculate total marks using sum function.
 - b) Calculate percentage using average function.
11. What is cyber security & why we need cyber security?
12. Make a scrap book on social media?

BIOLOGY

Use a scrap book-

- (a) You are going to search for **blood reports** (old or your own – recent one) and paste it in the scrap file. You are also going to select the report that shows Complete blood count- Hemoglobin, RBC Count, Leukocyte count.....etc. You also need to explain the abbreviations used (eg TLC,...). Write your result and compare it with the reference value given.
- (b) Our WBC keeps us safe from pathogens. Most of the time they destroy the pathogens. But there are some pathogens WBC's cannot destroy in time. Eg- **Virus that causes Rabies**. Most people die if they are infected with rabies virus. Find information about rabies, and how it can be treated. Include- who discovered the cause of rabies, first vaccine, animal responsible for spreading rabies, countries in which rabies is

most common, treatmentsetc. You can also make **one poster** stating the above.

ART & DESIGN

- ❖ Make a detailed study of artists Michelangelo and Leonardo Da Vinci. Write a note mentioning names of some of their paintings and paste some pictures in your notebook.
- ❖ Draw any four (4) interesting landscapes from any book/internet or something original of your hometown/village.
- ❖ Draw a composition based on Rhythmic art and shapes. At least two each.
- ❖ Make face study of any two (2) individuals and draw them on two (2) separate sheets. You may get help from YouTube or any other source on the internet.
- ❖ Your parents are planning the construction of a new house. Draw at least two (2) outside scenes of your dream house.
- ❖ Utilize your time fruitfully observing things around you to be a good artist. And draw on your sheet.

GLOBAL PRESPECTIVES

ASSIGNMENT:

Keep a food record for a week and exchange your views with your family members about a different cultural background to compare beliefs about food.

Understand the concept of beliefs about food and how they vary across different cultures.

Instructions:

Start with personal food preferences and habits.

You are required to keep a food record for a week, recording everything you eat and drink, along with the time and any thoughts or feelings about the food.

After a week, exchange the food information with your class mate or friend.

You can discuss similarities, differences, and any cultural influences on food choices.

*Write a report on reflections on what you have learned from the food record and information exchange, including any surprises or insights about food beliefs from different cultures.

** Create a collage by arranging the images on a chart paper.

You will present your reflections to the class or discuss them in small groups.

Use practical sheets, preferably white with a file cover.

Support your work with appropriate images, diagrams

The assignments should be original and contains your independent findings and study. Copied contents from the book or classmate's work will not be accepted.

Following is the specified format of the project work:

- a) *Cover Page (School Name, Student Information)*
- b) *Title of the project (Beliefs about food)*
- c) *Assignment contents (10 to 12 project or practical sheets one side plain and one side ruled)*

HISTORY

Poster Task: Create a poster highlighting Martin Luther's key achievements and contributions (Protestant reformation)

Guidelines: Use pictures, quotes, and brief descriptions. Make it colorful and engaging.

2. Research and Write Overview of the Spanish Armada Task:

Write a brief report on the Spanish Armada.

Guidelines:

- ★ What was the Spanish Armada?
- ★ Who was involved (key figures from Spain and England)?
- ★ What was the purpose of the Armada?
- ★ Outline the key events leading up to and during the defeat of the Spanish Armada.
- ★ Major battles and tactics used.
- ★ The outcome and reasons for the defeat.

3. Role Play Task: Perform a short role play of a key event during the defeat of the Spanish Armada.

Guidelines: Choose a partner and select a scene (e.g., a strategy meeting, a battle at sea).

Write a script and practice your roles.

GEOGRAPHY

Prepare a Project File

1. On an outline map of world mark and label four major rivers of the following continents:

- | | | |
|--------------------------|-------------------|---------------------------|
| i) Asia | ii) Africa | iii) North America |
| iv) South America | v) Europe | vi) Australia |

2. On an outline map of Asia mark and label the following:

- Oceans: Arctic, Pacific, Indian
- Seas: Black, Arabian, Caspian, Aral, South China Sea, Sea of Japan
- Rivers: Indus, Yangtze, Ob, Hwang Ho, Ganga, Euphrates, Mekong
- Lake: Baikal
- Mountains: Ural, Pamir Knot, Mt. Everest
- Deccan Plateau, Arabian Plateau, Plateau of Tibet, Persian Gulf, Bay of Bengal

3. Write a paragraph to describe the diversity of Asia continent.

4. Solve the Unit Test question paper in Geography register.



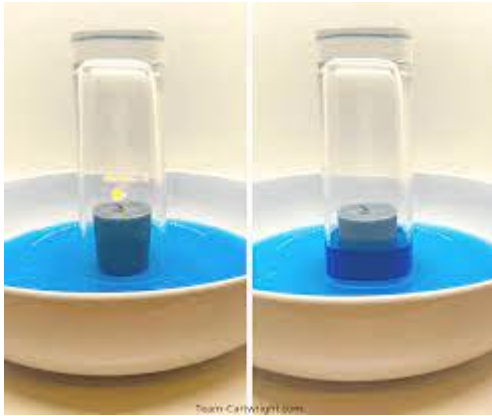
(Physics/Chemistry)

1. Learn and Write the Atomic Number and Symbol of first twenty elements.
2. Learn and write the question answers and exercise of chapters.
3. Working Model

1. What is the rising water experiment?

Experiment: Cover a burning candle with a pitcher so that the candle is in an air-tight room sealed by the water at the ground.

Observations: After some time, the candle dims and goes out. Just before the candle dies, the water level rises to almost 1/10 th of pitcher height. No air bubbles are seen.



2. Capillary action

Capillary action is when a liquid, like water, moves up something solid, like a tube or into a material with a lot of small holes. Capillary action works against gravity because of three special forces called cohesion, adhesion and surface tension.



4. Give a balloon face a beard (Static Electric Charge)

What to do

1. Blow up and tie off a balloon. ...
2. Add cracked pepper to a plate.
3. Hover the balloon slightly over the plate of cracked pepper. ...
4. Vigorously rub the 'chin' of your balloon man against your (or your child's) hair to create a static charge, and then hover the balloon slightly over the plate of cracked pepper.



5. Volcano

Things You Need for the Volcano Science Project

Making a volcano at home is an easy and fun project to do with your kids. Here is a list of things you need to perform the volcano science project. Most of the materials on the list are inexpensive and easily available. In fact, you might even find them in your pantry.

Things You'll Need for Volcano Experiment for Kids:

- 100 ml of warm water
- 10 ml of dish soap
- 400 ml of white vinegar
- Empty 2-litre soda bottle
- 2 drops of red food coloring
- Baking soda slurry ($\frac{1}{2}$ cup baking soda and $\frac{1}{2}$ cup water)

A Step-By-Step Guide on How to Make a Volcano for Kids

Wondering how to make a homemade volcano? It's pretty simple. Here is a step-by-step guide to performing the volcano science experiment with your kids.

- **Step 1:** Mix the dish soap, water, white vinegar, and food coloring and pour it into the empty soda bottle.
- **Step 2:** Make a baking soda slurry with $\frac{1}{2}$ cup baking soda and $\frac{1}{2}$ cup water. Mix it thoroughly with a spoon, until it's completely dissolved.
- **Step 3:** Now, it's eruption time! Quickly but carefully pour this slurry into the bottle and step back. Now, watch the volcano erupt and spill out red lava!



Class 7th Cambridge (Biology)

Use a scrap book-

(a) You are going to search for **blood reports** (old or your own – recent one) and paste it in the scrap file. You are also going to select the report that shows Complete blood count- Hemoglobin, RBC Count, Leukocyte count.....etc. You also need to explain the abbreviations used (eg TLC,...). Write your result and compare it with the reference value given.

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MATHEMATICS

Please solve the following questions from your course book. All the questions need to be solved on a separate note book. In case there are more than 3 parts of a question, please solve first 3 parts only.

Exercise	Question numbers
1.1	1 to 8
1.2	1 to 6
1.3	1 to 9
1.4	1 to 8
2.1	1 to 4 and 8,10

2.2	1 to 3
2.3	1 to 4
2.4	1 to 8

Puzzle 1

Puzzle 1

Fill in the blank space of the following magic square so that the sum of the numbers in each row, each column and each of the diagonals is - 6.

(i)

-1		
3	-2	
	5	

(ii) In this magic square, sum of the numbers in every row, column and each of the diagonals is - 2. Fill in the blank:

7		-6	
		1	
0	-2		
-5		6	-8

Puzzle 2

Complete the number grids by following the direction of arrows.

The grid consists of 6 rows and 6 columns of boxes. The top-left box contains the number 10. The bottom-right box contains the number -21. The operations between boxes are as follows:

- Row 1: 10 $\xrightarrow{+5}$ $\xrightarrow{\times 20}$ $\xrightarrow{+(-3)}$ $\xrightarrow{+8}$ $\xrightarrow{\times 6(-4)}$ $\xrightarrow{-1}$ $\xrightarrow{+3}$
- Row 2: $\xrightarrow{+13}$ $\xrightarrow{\times 3}$ $\xrightarrow{+2}$ $\xrightarrow{-10}$ $\xrightarrow{+4}$ $\xrightarrow{+9}$
- Row 3: $\xrightarrow{-1}$ $\xrightarrow{+4}$ $\xrightarrow{-9}$ $\xrightarrow{+15}$ $\xrightarrow{\times 12}$
- Row 4: $\xrightarrow{\times 2}$ $\xrightarrow{\times 3}$ $\xrightarrow{-6}$ $\xrightarrow{+(-4)}$ $\xrightarrow{+9}$ $\xrightarrow{\times 3}$
- Row 5: $\xrightarrow{+7}$ $\xrightarrow{-32}$ $\xrightarrow{\times 10}$ $\xrightarrow{-9}$ $\xrightarrow{+4}$
- Row 6: $\xrightarrow{\times 2}$ $\xrightarrow{+(-3)}$ $\xrightarrow{\times (-8)}$ $\xrightarrow{\times 100}$ $\xrightarrow{-21}$

Note: Completion of Holiday home work carries substantial weightage for internal assessment.