Dear Parents

Vacation is an excellent time to learn new skills. It is a welcome break for the children to enjoy and explore things in their own way. Just the right time to let the children do some creative work.

Here are some interesting and fun-filled assignments for the children to learn and keep them occupied during the holidays. These assignments have been designed to ensure that the children enjoy and learn at same time. We would appreciate if the children do the assignments on their own. Help and guidance may be given wherever required. Let's work together towards the betterment of the students.

Happy Holidays!!

ENGLISH

1. **Character Collage Project: (Individual Activity)** Engage in a creative exploration of character dynamics through the medium of visual storytelling with the Character Collage Project. Construct a collage that vividly portrays the main characters of a novel that you have recently read. This multi-layered composition integrates carefully selected imagery, symbols, and poignant quotes, meticulously arranged to convey the complexities of each character's personality, aspirations, and relationships.

2. **Literary Puzzle Odyssey: (Group Activity)** In groups of 5 students each, prepare an array of five mind-bending puzzles and teasers tailored to sharpen one's language skills. Craft crossword puzzles, word searches or anagrams brimming with literary intricacies, drawing inspiration from renowned literary works, celebrated authors, and fundamental literary concepts. Prepare to embark on an unforgettable journey of linguistic discovery and enlightenment.

3. **Book Character Social Media Profiles: (Individual Activity)** Create social media profiles (on A4 sized sheet) for the main characters of a novel you've recently read, imagining how they would interact and communicate online. Design profile pictures, cover photos, and status updates that reflect each character's personality, interests, and relationships. Write posts, comments, and messages in character, exploring their thoughts, experiences, and interactions outside of the book's pages.

MATHEMATICS
Holiday Home work (2024-25)
(to be done in A4 size sheets)

Q1) During summer, the temperature within a room is 37º C. If an air conditioner cools the room by 5º C/min. What will be the temperature of the room after 5 minutes of switching on the air conditioner?

Q2) The air temperature in the atmosphere decreases at the rate of 9 ºC every 300 meters. What height would a plain have to fly to experience a temperature of -81 ºC? The temperature is 0º C at sea level.

Q3) Name the property in the following:
a) $(-190) + 507 = 507 + (-190)$
b) $-23 + 0 = -23$
c) $(-19) \times 13 = 13 \times (-19)$
d) $17 \times (-258 - 910) = 17 \times (-258) + 17 \times (-910)$

Q4) Answer the following:

a) Write two integers which are smaller than -5 but their difference is -5.
b) Write two integers which are greater than -4 but their difference is smaller than -4.
c) Write two integers whose product is smaller than both the integers.
d) Write two negative integers whose difference is 7
e) Write two integers whose product is -12 and there lies seven integers between them.

Q5) By how much does the sum of 67.493 and 27.657 exceed the sum of 13.087 and 18.548?

Q6) A drum of petrol is $\frac{3}{4}$ full. When 30 litres of oil is drawn from it, it is $\frac{7}{12}$ full. Find the capacity of the drum.

Q7) If $195 \div 3 = 65$ then find

i. $19.5 \div 3$ ii. $19.5 \div 0.3$ iii. $195 \div 0.003$

Q8) If the product of two decimal numbers is 399.36 and one of the numbers is 3.9, find the other number.

Q9) Each side of a regular polygon is 2.5 cm in length. The perimeter of the polygon is 12.5 cm. Find the number of sides of the polygon.

Q10) A ribbon is 42 m long. How many pieces of length $1\frac{3}{4}$ m can be cut from it?

Q11) Anisha bought $3\frac{3}{4}$ m cloth for Rs 84 and Sameer bought $4\frac{1}{2}$ m cloth of the same type. How much did Sameer pay for the cloth?

Q12) A rule for finding the approximate length of diagonal of a square is to multiply the length of a side of the square by 1.414. Find the length of the diagonal when
a) The length of a side of the square is 8.3 cm.
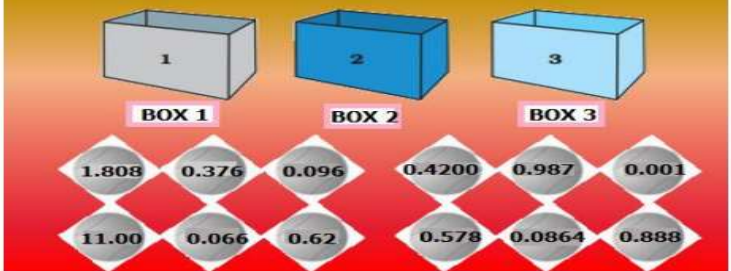b) The length of a side of the square is 7.875 cm.

Q13) Ranveer read $\frac{4}{9}$ of a book on one day and $\frac{3}{5}$ of the remaining next day. If 100 pages of the book were still unread, how many pages did the book contain?

Q14) Anjali is a microbiology student. She was doing research on optimum temperature for the survival of different strains of bacteria. Studies showed that bacteria X need optimum temperature of -31°C while bacteria Y need optimum temperature of -56°C. What is the temperature difference?

Q15) A building has 25 floors above the ground level each of height 5 m. It also has 3 floors in the basement each of height 5 m. A lift in the building moves at the rate of 1m/s. If a man starts from 50 m above the ground, how long will it take him to reach at 2nd floor of the basement?

CASE STUDY QUESTIONS

Some balls have been assigned a tag with decimal numbers according to the weight of the ball. The balls are to be placed on the basis of the following :

BOX 1   BOX 2   BOX 3

1.808   0.376   0.096   0.4200   0.987   0.001

11.00   0.066   0.62   0.578   0.0864   0.888

- All balls with tag number less than $\frac{1}{8}$ should be placed in box 1.
- All balls with tag number between $\frac{3}{8}$ and $\frac{5}{8}$ should be placed in box 2.
- All balls with tag number more than $\frac{7}{8}$ should be placed in box 3.

Place the balls in the appropriate boxes.(Hint: Convert $\frac{1}{8}$, $\frac{3}{8}$, $\frac{5}{8}$ and $\frac{7}{8}$ in to decimal numbers.

Q16)

a)   Find the number of balls placed in box 1.
b)   If there is a ball with a tag 0.795,then it can be placed in which box?
c)   What is the total weight of balls that are placed in box 3?

Q17) In an examination, a candidate scores 5 marks for a correct answer, (-3) for an incorrect answer and (-2) for a question that has not been attempted.

Study the table given below and find the actual score of each candidate.

	Candidate	Correct answers	Incorrect answers	Not attempted
a	Jia	12	5	3
b	Reema	15	3	2
c	Divyam	13	4	3

PHYSICS

PLEASE DO THE FOLLOWING QUESTIONS IN YOUR PHYSICS FAIR COPY.

Q.1. In a mercury thermometer, the level of mercury rises when its bulb comes in contact with a hot object. What is the reason for this rise in the level of mercury?
Q.2. The mercury does not fall or rise in a clinical thermometer when taken out of the mouth. Explain why.
Q.3. Why is it advised not to hold the thermometer by its bulb while reading it?

Q.4. Is the body temperature of every person 37°C?

Q.5. You may have noticed that a few sharp jerks are given to clinical thermometer before using it. Why is it done so?

Q.6. Instead of water explain the reason, why do the mercury is used in the thermometer?

Q.7. What prevents mercury to fall on its own in clinical thermometer ?

Q.8. What is a reliable measure of hotness ?

Q.9. Which instrument measures hotness of an object ?

Q.10. Write some limitations of clinical thermometer.

CHEMISTRY

NOTE :- Holiday homework to be done in the Fair Chemistry Notebook.

Q1. Classify the following changes as physical or chemical changes and give reason for it.

ACTIVITY	KIND OF CHANGE	REASON
1) BURNING OF COAL		
2) ROTTENING OF EGGS		
3) EVAPORATION OF SEA WATER		
4) CUTTING A LOG OF WOOD		
5) FREEZING OF WATER		

Q2. Write the chemical symbol and chemical formula of the following.

a) Iron	
b) Calcium	
c) Magnesium	
d) Copper	
e) Magnesium hydroxide	
f) Copper sulphate	
g) Iron sulphate	
h) Acetic acid	
i) Baking soda	
j) Lime water	
k) Calcium carbonate	

Q3. Give one example of the following changes.

a) Physical change that is irreversible.
b) Chemical change in which sound is produced.
c) Chemical change in which gas is produced.

Q4. Write the word equation for the following.

a) Reaction between copper sulphate and iron nail.
b) Burning of magnesium ribbon
c) Reaction between vinegar and baking soda.
d) Reaction between carbon dioxide and lime water.

Q5. Read the chapter and learn all the formulas/chemical equations given in the chapter

Physical and chemical Changes.

BIOLOGY

Explore the unique talent within you-realize it-empower it-polish it and get ready to showcase it

General Instructions

Dear Students of Class 7,

It's time for a Break☺

But remember! You have **stay at home and be safe and healthy**. During this period, we want that you should spend your time meaningfully and interestingly so that you keep in touch with school work and learn new things.

We have worked upon some ways of keeping you busy and have fun while you learn.

The holiday homework is to be done in your biology fair copies.

Happy holidays ! Stay safe and Healthy.

All the best !

Q 1 Give me a name..
Solve each of the following riddles by writing the name of the organism and its mode of nutrition. One riddle is solved to help you.
I am tall but I cannot move. I am green and can prepare my own food.
Solution: Tree, Autotroph.

a) I live in water, people keep me in an aquarium and feed me.

b) I am small and I can fly, I disturb your sleep, bite you and suck your blood which is my food.

c) I am white and soft. I grow well in the rainy season. Children pluck me from the ground and admire me.I absorb nutrients from decomposed dead parts of plants and animals in the soil.

d) I am green, but still I eat insects to fulfill my nutritional needs.

Q2 Write 5 examples of each of the following:
a) Fungi
b) Algae
c) Bacteria
write their common and scientific names.

Q3 Draw neat and well labelled diagram of cross section of
A) leaf and stomata.
Also colour the diagram.

Q4 Leaves of a healthy plant are   coated with wax. Will the plant remain healthy for long. Give reason for your answer.

Q5. Explore and understand the role of symbiotic relationship in environment .List five examples of such relationship and it's importance in Nature.

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विषय - संस्कृत

कक्षा - सातवीं

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१. अपनी संस्कृत फेयर कापी में निम्न शब्दरुप लिखें तत्, एतत्, किम् - तीनों लिंगों में।

२. सुभाषितानि पाठ से किन्हीं दो श्लोकों को अर्थ सहित कंठस्थ कीजिए।

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विषय - हिन्दी

कक्षा - सातवीं

हिंदी ग्रीष्मावकाश गृहकार्य

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१. **जल ही जीवन है / पर्यावरण**
   इस विषय पर १० से १२ पंक्तियों में स्वरचित कविता A-४ साइज़ शीट पर लिखिए तथा विद्यालय खुलने पर अपने सहपाठियों को सुनाइए।

२. **"एक धरती, एक परिवार, एक भविष्य"**
   A-४ शीट पर इस विषय से संबंधित पोस्टर तथा स्लोगन तैयार कीजिए।

३. प्रतिदिन हिंदी के दो नए शब्द सीखिए तथा उनसे अपना शब्द भंडार बढ़ाइए।

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CLASS VII

SOCIAL SCIENCE HOLIDAY HOMEWORK 2024-25

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HISTORY: Let's explore more about manuscripts

A manuscript is a handwritten composition on paper, bark, cloth, metal, palm leaf, or any other material dating back at least 75 years that has significant scientific, historical, or aesthetic value.

Find out the following details about manuscripts:

- What was the writing style in the middle-ages?
- What are the common features of manuscripts written in the medieval period?
- What are the three types of manuscripts?
- What is the most famous medieval manuscript?
- Which material is used in medieval manuscripts?
- Name the languages in which medieval manuscripts were written.
- How many medieval manuscripts are there?

You can also paste pictures of manuscripts.

Do this work in your History notebook.

CIVICS: POSTER MAKING

There are three main dimensions of equality in our society as highlighted by various thinkers and ideologists namely political, social, and economic.

Make a poster on an A-4 size sheet highlighting any one dimension of equality in our society.

GEOGRAPHY: ROCK (GEOLOGY)

Rocks are usually grouped into three main groups: igneous rocks, sedimentary rocks and metamorphic rocks. Our monuments are made up of different type of rocks. Collect pictures of 8-10 monuments and find out which are the rocks used to build them. Focus on monuments in and around Delhi. Paste these pictures on A-4 size sheets and mention the type of rock used to build them.

NOTE: Students are requested to complete Holiday Homework for any one subject out of History, Civics and Geography.

FRENCH

Draw or paste a picture of any 3 rooms/parts of a house (dining room / drawing room / your bedroom / parents' bedroom / kitchen / bathroom, garden etc.) in your French notebook. Name the rooms in French and label at least 5 things of each room in French. Pictures must be neatly labelled using definite articles only.

GERMAN

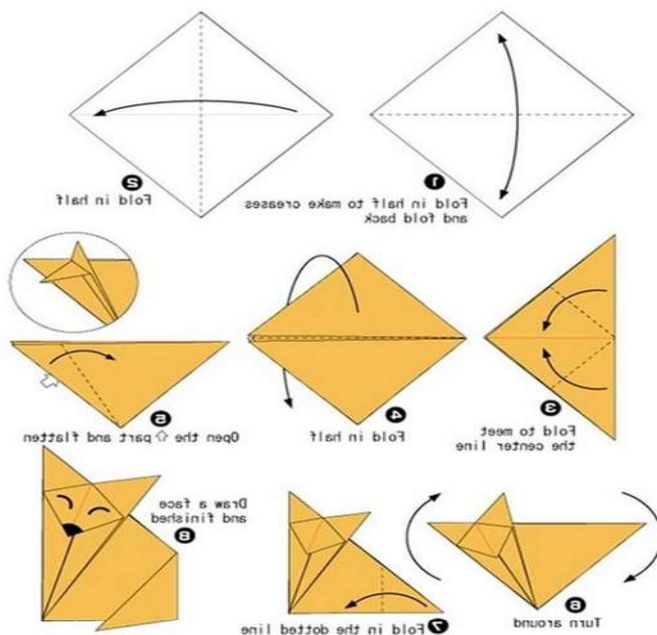Make a creative menu card of a restaurant that offers German food and drinks.

JAPANESE

Note : Please do the Homework in Japanese Notebook

1. **Watch the movie 'Princess Mononoke' available on YouTube. Draw your favorite character/ scene and write 4-5 lines about it in Japanese.**
2. **Make your own Anime Character/Manga strip.**
3. **Origami Fun**

Make a Kitsune (fox) and paste it in your notebook.

4. Find out about " Tokyo Imperial Palace". Paste pictures and write about it in your notebook.