

**DELHI PUBLIC SCHOOL
VASANT KUNJ
CLASS – VIII
HOLIDAY HOME WORK 2024-25**

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

Unlock the door to imagination and embark on a literary journey this summer vacation!

Use project files/ A-4 size coloured sheets to complete the questions given below.

1. BOOK TRAILER

Books are the keys to worlds unknown, portals to imagination, and treasures of wisdom waiting to be discovered. Create a **'book trailer'** for a book you've read recently. Consider the key themes, characters, and plot points of the novel as you craft your trailer. Create interesting illustrations, visuals, lyrics, and narration/dialogues to capture the essence of the story to engage viewers. Write a short paragraph reflecting on the choices you made in representing the book's content and tone, and discussing how your trailer effectively conveys the book's message to potential readers.

OR

BOOK-TO-FILM ADAPTATION ANALYSIS

Film adaptations make the magic of literature meet the artistry of cinema, bringing beloved stories to life on the silver screen. **Compare and contrast a book with its film adaptation** and analyse how the adaptation portrays characters, themes, and plot elements differently, and discuss the effectiveness of each medium in conveying the story. Make your presentation attractive by pasting relevant pictures of characters and scenes from the book/movie.

2. Encapsulate a world of emotion, narrative, and meaning in just six words by composing and illustrating a compelling **'six-word story'** that captivates the imagination and leaves a lasting impact. Here are some examples for your reference:
- (a) "For sale: baby shoes, never worn." - Ernest Hemingway
 - (b) "Wanderlust ignited. Maps burned. Home found."
 - (c) "Silent whispers. Loud regrets. Forgiveness sought."
 - (d) "Invisible wings. Broken chains. Soared free."
 - (e) "Echoes fade. Memories linger. Love endures."

- (f) "Unwritten pages. Blank slate. Infinite possibilities."
- (g) "Faded photographs. Time paused. Memories cherished."
- (h) "Storm clouds part. Sunlight floods in."

MATHEMATICS

(Note: Home work should be done in A4 size sheets)

1. Find the multiplicative inverse of $\frac{-6}{5} \times \frac{8}{-3}$
2. Find the sum of additive inverse and multiplicative inverse of 9.
3. What is the length of the side of a square whose area is 441 cm^2 ?
4. What is the smallest square number which is divisible by each of the numbers 6, 9 and 15?
5. Solve for x:

$$\frac{x}{4} + \frac{x}{6} = x - 7$$

6. Find the smallest number by which 12348 must be divided to obtain a perfect square?
7. Solve the equation for y : $5y - 2[y - 3(y - 5)] = 6$
8. Find the smallest number by which 192 must be multiplied to make the product perfect square.
9. For the international yoga day, yoga teacher has to arrange 1024 students in such a way that each row has as many students as the number of rows. Find the number of students in each row
10. Using the appropriate properties of rational numbers, Evaluate:
 $\frac{8}{9} \times \frac{4}{5} + \frac{5}{6} - \frac{9}{5} \times \frac{8}{9}$
11. Find the least number which must be added to 2000 to make the sum a perfect square.
12. Solve for x:
 $\frac{2x - 3}{3x - 1} = \frac{5}{6}$
13. Write the name of property used :

a) $\frac{-4}{11} \times \frac{-11}{4} = 1$

b) $\frac{-9}{13} \times \frac{5}{9}$ is a rational number.

c) $\frac{-3}{4} \times \left(\frac{5}{9} \times \frac{-1}{2}\right) = \left(\frac{-3}{4} \times \frac{5}{9}\right) \times \frac{-1}{2}$

14. Evaluate the following :

a) $-16\frac{2}{3} \times 13\frac{1}{2}$

b) $\frac{-7}{8} \div 15\frac{3}{4}$

c) $0 \div -4\frac{7}{10}$

15. Case – Based Question

We represent the distance above the ground level by a positive rational number and that below the ground level by a negative rational number.

Three pits (a large hole in the ground) are dug in the ground. The first pit is $-2\frac{1}{2}$ feet deep, second pit is $-5\frac{1}{3}$ feet deep and third pit is $-7\frac{1}{2}$ feet deep. Based on the given information, answer the following questions:

- (i) Is $\left(-2\frac{1}{2}\right) \times \left[\left(-5\frac{1}{3}\right) \times \left(-7\frac{1}{2}\right)\right] = \left[\left(-2\frac{1}{2}\right) \times \left(-5\frac{1}{3}\right)\right] \times \left(-7\frac{1}{2}\right)$ a true statement? Also, give the name of property used.
- (ii) Simplify $\left(-2\frac{1}{2}\right) \times \left(-5\frac{1}{3}\right) \times \left(-7\frac{1}{2}\right)$
- (iii) How much deeper is the third pit from the first pit?

OR

Which pit is dug deepest under the ground?

SCIENCE PHYSICS

PLEASE DO THE FOLLOWING QUESTIONS IN YOUR PHYSICS FAIR COPY.

- Q1) Does the force of gravitation exist between two astronauts in space?
- Q2) It is difficult to cut cloth using a pair of scissors with blunt blades. Explain?
- Q3) An archer shoots an arrow in the air horizontally. However, after moving some distance, the arrow falls to the ground. Name the initial force that sets the arrow in motion. Explain why the arrow ultimately falls down?
- Q4) It is much easier to burst an inflated balloon with a needle than a finger. Explain?
- Q5) A man is pushing a cart down a slope. Suddenly the carts starts moving faster and he wants to slow it down. What should he do?
- Q6) Name the forces acting on the car sticking to an electromagnet in a Junkyard. Which one of them is larger?
- Q7) What is force? State the difference between contact force and non-contact force.
- Q8) Force acting on per unit area is called --
 - (a) non-contact force
 - (b) contact force
 - (c) force of friction
 - (d) pressure
- Q9) A force of 50 N acts on an area of 5 m^2 . What will be the pressure exerted?
- Q10) Base of the dam is made broad. Why?

CHEMISTRY

Read Chapter -COAL AND PETROLEUM thoroughly and prepare a detailed project with illustrations comprising of the following topics in your Chemistry notebook:

- (a) Tabulate uses of coal and its useful products (coke, coal tar, coal gas)

OR

Tabulate constituents of petroleum with its uses

- (b) Ways to conserve exhaustible natural resources.

BIOLOGY

(to be done in A4 size sheets)

Dear students and parents. It's summertime when faces light up with a grin, As holidays are about to begin.'

It's time for the children to play and enjoy Free, unbound, high-spirited but safe at home. Summer break is a vacation time students eagerly await for. So, now is the time to unlock the days creatively making the most while at home. So, adopt a herb, a house plant or a flower, bake a cake, sing-along, paint and draw and compose your own song or take up your hobby as the school announces the summer vacation.

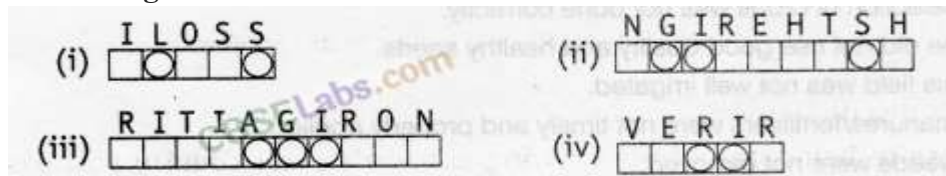
To ensure that the children have a constructive holiday, some holidays' homework & projects have been given which will keep the child active and observant. These projects can easily be done by the children and you could assist only where required. You can download the Holidays' Homework from the school website for your convenience and in case of any clarification, you may contact the teacher concerned as it shall be a part of the internal assessment. Stay safe, stay healthy!

1. Make an investigatory project on any one inspirational and famous environmentalist of India / World. The project should be made on the following guidelines :
 - Name and picture of the environmentalist
 - Age and Nationality
 - Details of the work
 - Application and future prospects of his / her work
 - How his / her work changed the society / world
 - Above content not to exceed three pages.
2. Writing and learning work :
 - i) **Crop Production and management**
 - a) Complete all written work of the chapter done in the class in your Biology notebook.
 - b) Collect pictures of different agricultural implements and machines and give information on their use.
 - ii) **Microorganism : Friend & Foe**
 - a) Complete all written work of the chapter done in the class, in your Biology notebook.
 - b) Draw two pictures of each types of microorganisms (Bacteria, Algae, Protozoa, Fungi & Viruses)

- 3) Crossword Puzzle From the word puzzle given as figure. Find at least eight words which are 'farmer's friends'. Classify them into living and non-living.



- 4) Unscramble the words related to crop production and its management and write in the boxes given beneath them.



Now, using the circled letters, form one word which is an activity carried out in fields, after maturation of crops.

SOCIAL STUDIES

Let's explore the world together... make learning fun

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

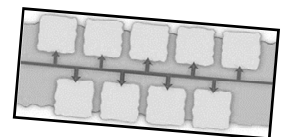
HISTORY

Topic: Women who changed the course of Indian History

India's history is full of women pioneers and social reformers, who broke gender barriers worked hard for their rights and made progress. Let's celebrate their life and achievements during our holidays. Students, please find out the names of at least 5 women social reformers and create a timeline beginning from the early 19th century.

Please mention:

- The name of women social reformers and paste their picture
 - The year they were born and their struggles
 - Their contribution to improving other women's social and economic conditions.
- (To be done in your history notebooks)



CIVICS

Topic: The Constitution of India

The Constitution of India is the supreme [law of India](#), it's a document that lays down the framework that demarcates the fundamental political code, structure, procedures, powers, and duties of government institutions and sets out [fundamental rights](#), [directive principles](#), and duties of citizens.

Activity: Students, this summer let's explore and note some fun facts about our Constitution. You may explore facts based on the hints given below or enlist any other unique facts that the little historian inside you found the most fascinating.

- Name the assembly that was elected to frame the Constitution of India.

- When was it adopted and when did it come into effect?
- Who was the chairman of the Drafting Committee, who also played a key role in shaping the Constitution?
- Why is the Indian Constitution considered unique?
(To be done in your Civics notebooks)

GEOGRAPHY

Topic: Conservation through Creative Writing

Our environment is essential but we don't always cherish and nurture it as much as we should! Learn more about global issues through creative writing- a great way to further your cultural awareness and broaden your knowledge on current topics.

- Write a short poem to raise awareness about current environmental issues, including water conservation, soil conservation, forest conservation, global warming and climate change.
- Write the poem on an A4 size sheet and paste or draw pictures/graphics related to your topic.
- Take pride in displaying your creativity on class boards.
(To be done in your Geography notebooks)

विषय - संस्कृत कक्षा - आठवीं

१. पाठ “स्वास्थ्यैव धनम्” पर आधारित संस्कृत में पाँच वाक्य (हिन्दी अनुवाद सहित) एवं चित्र सहित A-4 Size कागज़ पर लिखिए।
२. निम्नलिखित शब्दरूप लिखिए - भवत् (पु.) तथा राजन्
३. निम्न धातुरूप विधिलिङ् लकार में लिखिए -
भू, कृ, अस्, स्था, नी, पा

विषय - हिन्दी कक्षा - आठवीं हिन्दी ग्रीष्मावकाश गृहकार्य

१. जीवन में योग का विशेष महत्व है; इसलिए प्रतिदिन योग व सूर्यनमस्कार द्वारा अपनी दिनचर्या आरम्भ करें।
२. पाठ्य पुस्तक के अतिरिक्त कबीरदास जी के अन्य दोहों को खोजकर अर्थ सहित पढ़ें तथा विद्यालय खुलने पर अपनी कक्षा में दोहे की गायन शैली में अर्थ सहित सुनाएँ। (कम से कम पाँच दोहे)
३. ग्रीष्मकालीन अवकाश में आप जिस स्थान पर भी भ्रमण करने जाएँ, उस स्थान और अपनी सम्पूर्ण यात्रा का रोचक ढंग से १०० से १२० शब्दों में वर्णन करें।
४. हमारे जीवन में ‘सफाईकर्मचारी की भूमिका’ पर लगभग १०० शब्दों में एक संक्षिप्त लेख लिखिए।

French

Discover facts about the Paris Olympic Games, the logo for the Olympics and the mascot of the Paris Olympic Games. Make a collage on the same in your copy.

German

Activity : Dialogue Writing (Scrapbook)

Topic: Mein außerirdischer (Alien)Freund und seine Gesundheit

Step1: Create your original alien friend, draw, paint, colour and name it

Step2: Describe and Introduce your friend

Step 3: Write a dialogue between the two of you, discussing health and what you two do to keep fit.
Be creative and original

Japanese

Note : Please do the Homework in Japanese Notebook

1. Watch the movie 'The secret world of Arrietty'. Draw your favorite character/ scene and write 4-5 lines about it in Japanese.
2. Make your own Anime Character/Manga strip.
3. Shodou

Make a traditional Japanese scroll and on that scroll either write a Kanji or a quote of your choice using Japanese calligraphy technique.



4. Origami Fun

Make an Inu(Dog) using origami and paste in your notebook.

