

HOLIDAYS HOME WORK FOR SUMMER VACATION 2024

CLASS - VIII

*“Two roads diverged in a wood, and I—
I took the one less travelled by,
And that has made all the difference.”*

Dear Mahavirians,

Holidays are a time for rejuvenation, a chance to recharge our minds and hearts. At the same time, we must also nourish our souls with purposeful activities. Here’s a gentle reminder on how to make the most of this break:

***Read Extensively:** Readers are leaders. Unplug from screens, and explore the world of books. Make a habit of reading every day.*

***Catch Up with Passions and Hobbies:** Remember that guitar gathering dust in the corner? Or the canvas waiting for your brush strokes? Now is the time to rekindle those flames. Dive into your hobbies—whether it’s painting, dancing, coding, or cooking. Let your passions ignite your days.*

***Quality Family Time:** Families are the heartbeats of our lives. Share stories, cook together, play board games, and laugh until your bellies ache. These moments are the threads that weave the fabric of cherished memories.*

***Academics and Studies:** Yes, even during holidays, let’s keep the academic flame alive. Regular study sessions need not be burdensome. A chapter a day, a math puzzle, or a historical documentary—these small steps maintain the rhythm of learning.*

***Homework with a Twist:** Homework doesn’t have to be done in a mundane manner. Be innovative! Create a science project that dazzles, write a poem that dances with metaphors, or solve math problems with flair. Remember, it’s not just about finishing; it’s about understanding and enjoying the process.*

So, dear students, embrace this break with open arms. Explore both the well-trodden paths and the hidden trails. Let curiosity be your compass, and creativity your guide.

Wishing you a joyful and enriching summer break!

*Ruchika Sukhija
Principal*

ENGLISH

INSTRUCTIONS:

- ❖ Use decorated A-4 size sheets.
- ❖ Put them on a clear bag after stapling or use a file cover and punch the sheets in it.
- ❖ Do as instructed in the class.

TOPIC 1: ARTICLE WRITING

Write an article in 100 - 120 words, about ways to stay healthy in today's busy time.

TOPIC 2: PORTFOLIO ASSESSMENT

Make a book cover of any of the following books and write its summary.

1. Malgudi Days-R.K. Narayan
2. Swami and Friends-R.K. Narayan
3. The Ransom of Red Chief and other stories-O. Henry
4. The Wise and Otherwise-Sudha Murthy
5. The Night Train at Deoli and other stories-Ruskin Bond

TOPIC: PROJECT ASSESSMENT

Write character sketch of any two characters of your choice from the book you have read. After vacation do a role play/character dramatization of your favourite character from the book or story you have read, in the class. (Assessment)

TOPIC 3: MULTIPLE ASSESSMENT

Some expressions make language interesting. Eg: My stomach was growling like a dog I was hungry. My smile was as big as the sun I was happy.

Search such expressions, where an ordinary statement is written in a different way. (Any 20). You can use newspapers, magazines, comic book, story books etc. Present your work on A-4 size sheet. Write a story related to any of them. Learn it for class presentation.

हिन्दी

प्रिय छात्रों आपकी छुट्टियाँ आनन्दमयी हो। आपको यहाँ जो गृहकार्य दिया गया है उसे A-4 साइज शीट पर सुंदर लेख में लिखकर स्टिक रोल फोल्डर में छुट्टियों के बाद स्कूल में लेकर आएं।

1. आपने अपने आस-पास के बाजारों में हाथ से बनाई गई वस्तुएं बिकते देखी होंगी, उनमें से किन्हीं पांच वस्तुओं की सूची बनाइए तथा उन वस्तुओं को बनाने की विधि को 100 शब्दों में लिखिए।
2. ग्रीष्मावकाश के दौरान स्टेनली का डिब्बा या चिल्लर पार्टि जैसी फ़िल्मों को देखकर उससे मिलने वाले संदेश को 50-60 शब्दों में लिखिए।
3. आपके आस – पास के बाग – बगीचों का बदलता स्वरूप किस प्रकार प्राकृतिक स्वरूप से भिन्न होता जा रहा है। इससे संबंधित एक 100 शब्दों में रिपोर्ट तैयार कीजिए।
4. इस ग्रीष्मावकाश में आपने किस तरह अपनी छुट्टियों को बिताया उसको कहानी रूप में 100 शब्दों में बताएं।
5. दिल्ली में 25 मई को चुनाव होने वाले हैं। आपके क्षेत्र में होने वाले चुनाव प्रचार की प्रक्रिया पर अपने अभिभावक से चर्चा करते हुए अपने विचार 100 शब्दों में लिखो।

नोट- गृहकार्य को A-4 साइज शीट पर सुन्दर लेख में स्टिक फोल्डर में करें।

1. शब्दरूप – वायु, पशु, गुरु उकारान्त पुल्लिंग शब्दरूप लिखिए।
2. धातुरूप – कृ, अस् खाद्, वद्, दृश् (पश्य) धातुओं के लट्, लृट्, लङ् व लोट् लकार में रूप लिखिए
3. मणिका संस्कृत व्याकरण भाग 3-पत्र लेखन (पृष्ठ संख्या 20-21) 2 पत्र-पूर्ति करके लिखिए।
4. व्याकरण मणिका भाग-3 (पृष्ठ संख्या -29) से चित्र वर्णन प्रदत्त 2 चित्रों पर आधारित (5-5) वाक्य संस्कृत में लिखें।
5. निम्न वाक्यों का संस्कृत अनुवाद करें-
 1. यहाँ दादा और दादी रहते हैं।
 2. लोग मतदान करते हैं।
 3. बुद्ध ज्ञान के लिए तप करते हैं।
 4. गाने के लिए विद्यार्थी जाते हैं।
 5. छात्र पढ़ने के लिए विद्यालय जाते हैं।
 6. लोग काम करते हैं।
 7. मेघ बरसने पर मोर नाचा।
 8. गुरु शिष्यों को ज्ञान देते हैं।
 9. मैं मजदूर को मजदूरी देता हूँ।
 10. वह आकाश मार्ग से उड़ा।
 11. चोरी करना बुरी बात है।
 12. प्रातः काल माता-पिता के चरण स्पर्श करें।
 13. तुम्हें जन्मदिन शुभकामनाएं।
 14. हम सब पुस्तकालय चलें।
 15. गगन में तारे हैं।
 16. उसने धीरे से चांद से कहा।
 17. तुम सब ध्यान से कार्य करो।
 18. श्याम ने पुस्तक पढ़ी।
 19. चार कन्याएं नृत्य करती हैं।
 20. आज हम सब खुश हैं।

MATHEMATICS

- Holiday homework is divided into two parts:

SECTION A

Make a 3D model on the topic allotted to your group.

- Group 1 Make different 3D polyhedrons using cardboard (like tetrahedron, pentagonal pyramid, hexagonal prism, pentagonal prism etc) and verify Euler's formula.
- Group 2 Make 3D solid shapes by using their net.
- Group 3 Make a working model based on Pythagoras theorem.
- Group 4 Make board games using different topics of Mathematics like integers, rational numbers, algebra etc.
- Group 5 Make a scale balance using integers.

SECTION B (to be done in practice register)

1. Find the smallest number by which 2475 must be multiplied to get a perfect square.
2. Find the square root of the following by prime factorization method
(i) 1024 (ii) 8836 (iii) 8464.
3. Find the least number which must be added to 4215 to make it a perfect square number. Find the square root of this perfect square number.
4. Find the least number which should be subtracted from 984 to make it a perfect square. Also find the square root of perfect square.
5. The area of the square field is 8464 m^2 . A man takes 3 round of this field, find the distance covered by him.
6. Find the square root of the following decimal numbers:
(i) 72.25 (ii) 86.49 (iii) 75.69 (iv) 0. 16
7. Express 81 as a sum of nine odd numbers.
8. How many numbers lie between the squares of the following numbers:
(i) 15 and 16 (ii) 56 and 57.

9. Find the least perfect square number exactly divisible by each one of the following numbers 4, 5, 10.
10. 4096 soldiers are arranged in an auditorium in such a manner that there are as many soldiers in a row as there are rows in the auditorium. How many rows are there in the auditorium?
11. Divide the number 26244 by the smallest number so that the quotient is a perfect cube. Also find the cube root of the quotient.
12. The volume of a cube is 512 cubic metres. Find the length of the side of the cube.
13. By what number would you multiply 231525 to make it a perfect cube.
14. Find the cube root of 91125 by the prime factorization method.
15. Write the unit digits of the cube of each of the following numbers:
 (i) 31 (ii) 109 (iii) 388 (iv) 4276 (v) 5922.
16. Which of the following numbers are not perfect cubes:
 (i) 64 (ii) 216 (iii) 243 (iv) 1728.
17. Three numbers are in the ratio 1:2:3. The sum of their cubes is 98784. Find the numbers.
18. Find the side of a cube whose volume is 216 cubic m.
19. Evaluate:
 (i) $\sqrt[3]{36} \times \sqrt[3]{384}$
 (ii) $\sqrt[3]{96} \times \sqrt[3]{144}$
20. Use appropriate property and find: $\frac{1}{6} \times \frac{4}{7} + \frac{1}{2} + \frac{1}{6} \times \frac{(-3)}{7}$
21. Find three rational numbers between $\frac{3}{6}$ and $\frac{3}{4}$
22. Write multiplicative inverse of: $[\frac{1}{6} + \frac{4}{9}] \times \frac{3}{4}$
23. Calculate the following:

$(a) \frac{-4}{5} \times \frac{3}{7} + \frac{4}{5} \times \frac{3}{7}$	$(b) \frac{1}{2} \times \frac{5}{6} + \frac{1}{3} \times \frac{1}{4}$
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24. Write and learn squares and cubes of numbers from 1 to 20.
25. Learn and practice solving 3X3 Rubik's cube within minimum time.

SCIENCE

1. Prepare two beautiful Recipe cards one with a nutritive salad and other with a mock tail. Write the ingredients and method of preparation. Also, mention its Nutritive value. Use any light colour A4 size pastel sheets and paste the picture of the salad and the mock tail. Best ones will be selected for the competition in July.
2. Certain parts of the world lack access to safe drinking water and Sanitation. Explore about the given topic and do the work as per your roll number.
 - Make a 3D model on Conservation of water-showing different ways to conserve water (Roll No. 1-6)
 - Make a 3D model on Rainwater Harvesting system (Roll No. 7-12)
 - Make a 3D model of musical instruments (Roll No. 13-18)
 - Make a 3D model of any two microbes (Roll No. 18 onwards)
3. Make a beautiful paper bag (30cm ×20 cm) with a meaningful slogan written and an envelope (6cm× 20cm) well decorated or painted.
4. Our environment is our lifeline. It is our prime responsibility to save it and to conserve it. To spread awareness, you are supposed to do the following activities as per the topic given roll number wise:
 - Write a slogan and also make a colourful poster each on A-3 sheet. The sheet must have a border and it should be beautifully presented
 - a) Ban on Single use plastic (Roll No. 1-6)
 - b) Waste management (Roll No. 7-12)
 - c) Air and water pollution (Roll No. 13-18)
 - d) Save soil (Roll No. 18 onwards)

SOCIAL SCIENCE

1) Learn and revise the work done in class.

2) Timeline Making

- A historical events timeline is a tool or method used to highlight important historical events, figures, and dates from a certain period of time. A chronological timeline is a timeline where highlighted events are arranged in order of occurrence.
- Prepare a 3D Pictorial Timeline highlighting the important historical dates, terms, figures, and events in a chronological order.

*You can use Cartridge sheet / pastel sheet.

*Make it colourful and Readable. You can use relevant pictures to make it more creative.

- Roll No. 1-5 From Trade to Territory
- Roll No. 6-10 The Making of the National Movement:1870-1947
- Roll No. 11-15 The Delhi Sultanate
- Roll No. 16-20 The Mughal Empire
- Roll No. 21-25 Harappan Civilization
- Roll No. 26-31 Revolt of 1857

3) Make a project on Tribals, Dikus and the Vision of a golden age.

- Roll no. 1- 5 Gonds
- Roll no. 6-10 Bhils/Bheels
- Roll no. 11-15 Santhal
- Roll no. 16-20 Munda
- Roll no. 21-25 Khasi
- Roll no. 26-32 Garo

*Also include the following key points in your project.

- About their tribal chief / leader
- Their Language
- Way of Living
- Cultivation Practices and food etc.
- Artefacts and Relevant pictures to be used.

Guidelines:

- Use scrapbook to make your project.
- Make it creative and colourful.
- Use your creativity and innovation to make your project presentable.
- Rubrics: Content, Creative, Presentation and Punctuality

ART AND CRAFT

- ❖ Madhubani painting (Size -A4)

COMPUTER

1. Imagine you are designing a smart AI powered security system for your school/home. Make a detailed report on PowerPoint presentation about the features and working of the security system.
2. Make a smart city project/model for exhibition.
3. Quick draw is an AI application; in this app the website will guess what you want to draw. Try out and take 5 printouts and file it.
