



D.A.V. NANDRAJ PUBLIC SCHOOL

BARIATU, RANCHI



HOLIDAY HOMEWORK

SESSION 2026 – 27

CLASS: VIII

ENGLISH

General Instructions:

- Complete all work neatly in an A4 project file.
- Use coloured sheets, pictures, drawings, and creative borders.
- Write in your best handwriting.
- Mention the sources of information wherever research is done.
- Originality and presentation will be awarded specially.

SECTION A:

Literature

1. Community Service Challenge Activity

- Perform one meaningful act:
- Help a domestic worker
- Teach a younger child
- Plant a tree
- Feed animals
- Donate books

Paste photographs and write a reflection.

SECTION B:

Grammar

1. Grammar Project

Sentence Detective

Collect 20 sentences from newspapers, books, and advertisements.

Classify them into:

- Declarative
- Interrogative
- Imperative
- Exclamatory

Decorate in chart form.

SECTION C: Reading

Read any two books of your choice. Then prepare the following:

1. Reading Log

Record:

- Date
- Pages read
- New words
- Summary
- Moral lesson

SECTION D: Writing

Project Title: My own Story Book.

This summer vacation, you are going to become an author! Each student must write and design an original story book following the given instructions.

Instructions:

- It should be of 14 pages (excluding cover page and index) on A4 sheets compiled neatly.
- This project is **COMPULSORY** for all students.
- You may divide your story into chapters, parts or a continuous story.
- You may choose any genre of your choice: adventure, fantasy, horror, science fiction, moral story, detective, comedy, historical fiction, animal story, etc
- Proper index should be made: Title of the Story, Your Name, Class and Section, Roll no., Introduction, Story.
- Your story must have a catchy title, interesting characters, clear setting, problem or conflict, solution, meaningful ending and moral or message, if applicable.
- Must be written in your best handwriting and neatness and readability are essential.
- Use correct grammar, paragraphs, proper punctuation, and check spellings.
- The story must be 100% original and written by you. Stories generated from the internet or copied from books will not be accepted.

HINDI

1. देश की सीमा पर सैनिक सुरक्षा प्रहरी की भांति खड़े रहते हैं। वे बुरी भावना से अतिक्रमण करने वाले का सामना तोप, तलवार, बंदूक आदि से करते हैं। आप बताइए कि निम्नलिखित स्वदेश प्रेमियों के अस्त्र शस्त्र क्या होंगे?

- विद्यार्थी
- अध्यापक
- किसान
- चिकित्सक
- वैज्ञानिक
- श्रमिक
- पत्रकार

2. विभिन्न पक्षियों के घोंसलों के संबंध में एक प्रस्तुति तैयार कीजिए। उसमें आप उनके चित्र और रोचक जानकारी सम्मिलित करें।

ओ 3म

SANSKRIT

1. 'प्लास्टिक:' इति विषये पञ्च वाक्यानि संस्कृते लिखत ।
2. 'बकः कर्कटः च' इति विषये दश वाक्यानि चित्रेण सह संस्कृते लिखत(बगुला और केकणा के विषय पर चित्र सहित संस्कृत में दश वाक्य लिखें)
3. 'मातृ' (ऋकारान्त स्त्रीलिङ्ग) शब्द रूप लिखें और याद करें ।

नोट - संपूर्ण कार्य संस्कृत काँपी में करना है।

COMPUTER

Design a Poster Handmade on one of the following topics:

1. Tools of GIMP
2. Network Topology/Network Device
3. Cyber Security

Note: Use full size chart paper, colours and glitters.

MATHEMATICS

HOLIDAY HOMEWORK GUIDELINES

- ❖ Use test copy for holiday homework.
- ❖ Keep handwriting neat and legible.
- ❖ Complete the given competency based questions.

QNO. 1&2

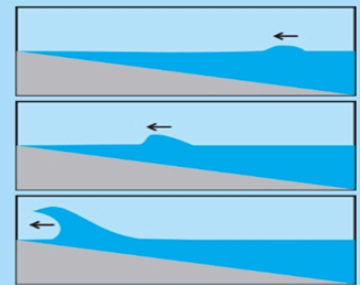
Tsunamis, sometimes called tidal waves, move across deep oceans at high speeds with barely a ripple on the water surface. It is only when tsunamis hit shallow water that their energy moves them upward into a huge destructive force.

1. The speed of a tsunami, in metre per second, can be found by the formula $r = \sqrt{9.7344d}$, where d is the water depth in metre. Suppose the water depth is 6400m. How fast is the tsunami moving?
2. The speed of a tsunami in km per hour can be found using $r = \sqrt{4.4944d}$ where d is the water depth in metre. Suppose the water depth is 8100 metre
 - a) How fast is the tsunami moving in km per hour?
 - b) How long would it take a tsunami to travel 3000 km if the water depth was a consistent 3000 m?



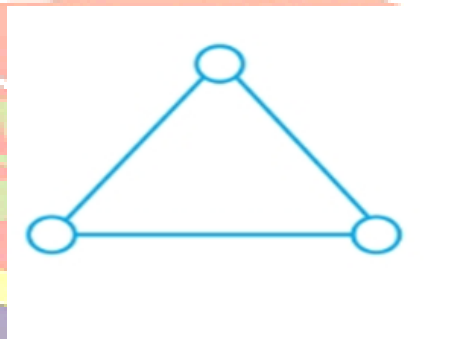
Tsunamis can be caused by earthquakes, volcanoes, landslides, or meteorites.

As the wave approaches the beach, it slows, builds in height and crashes on shore



Q3. A Person wants to install a square mirror that has an area of 500 square inches. To the nearest tenth of an inch, what length of wood trim is needed to go around the mirror?

Q4. Put three different numbers in the circles so that when you add the numbers at the end of each line you always get a perfect square.



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Q5.

A magic square is a square with numbers arranged so that the sum of the numbers in each row, column and diagonal is the same.

Complete each magic square below.

$\sqrt{36}$	■	2^2	■	$-(\sqrt{4} + 4)$	$-(9^2)$
8^0	$\sqrt{9}$	■	$-(\sqrt{16})$	■	0^3
■	$3^2 - 2$	■	$-(\sqrt{9})$	$2^0 + 1$	■

Use the numbers $-4, -3, -2, -1, 0, 1, 2, 3$ and 4 to make a magic square with row, column and diagonal sums of 0 .

Q6.

Investigating Solar System The table shows the average distance from each planet in our solar system to the sun.

Planet	Distance from Sun (km)	Distance from Sun (km) Standard Notation
Earth	149,600,000	1.496×10^8
Jupiter	778,300,000	
Mars	227,900,000	
Mercury	57,900,000	
Neptune	4,497,000,000	
Pluto	5,900,000,000	
Saturn	1,427,000,000	
Uranus	2,870,000,000	
Venus	108,200,000	

- Complete the table by expressing the distance from each planet to the Sun in scientific notation.
- Order the planets from closest to the sun to farthest from the sun.

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Q7.

Activity 1

To make ballot papers for the upcoming school elections, cut a sheet of paper in half. Stack the two pieces and cut them in half again. Stack the resulting four pieces and cut them in half again. Repeat this process, creating smaller sized ballot papers.



Count the ballots and record the result in the table below.

Number of Cuts	Number of Ballot papers
1	2
2	4
3	8
4	16

Now, answer the following:

- Can you predict the number of ballot papers after n number of cuts?
- Suppose you could make 40 cuts. How many ballot papers would you have?
- How many cuts would it take to make enough ballot papers for 512 students at school?
- Suppose you start with a sheet of paper having area 324 cm^2 . Copy and complete the table to show the area of each ballot paper after each of the first 10 cuts.

Number of Cuts	Area (cm^2)
0	324
1	162
2	81
3	4
5	
6	
7	
8	
9	
10	

Observe the table and write an expression which gives the area of ballot papers after n number of cuts on sheet of given area A .

- If you want 512 ballot papers each having area 16 cm^2 , then what will be the area of starting paper?

Q8. Calculate and write the answer in scientific notation:

- (i) If each person in the world had 30 pieces of clothing, find the total number of pieces of clothing.
- (ii) There are about 100 million bee colonies in the world. Find the number of honeybees if each colony has about 50,000 bees.
- (iii) The human body has about 38 trillion bacterial cells. Find the bacterial population residing in all humans in the world.
- (iv) Total time spent eating in a lifetime in seconds.

Q9. A digital locker has an alphanumeric (it can have both digits and letters) passcode of length 5. Some example codes are G89P0, 38098, BRJKW, and 003AZ. How many such codes are possible?

Q10. Complete “Figure it out Questions” of chapter-1 &2 from NCERT mathematics book.

SCIENCE

1. Make a simple electric circuit using basic materials like wire, battery, bulb and a switch.
2. Design a poster for application of magnetic effects of electric current.

SOCIAL SCIENCE

Topic: Resources

General Instructions

- Complete the work neatly in a separate file.
- Use coloured pens and pictures wherever required.
- Submit the homework after summer vacation.
- Write in your own handwriting.
- Make creative and attractive presentations.

Project Work

- Project Topic: Conservation of Natural Resources
- Include: Introduction, Types of Natural Resources, Importance, Causes of Resource

Depletion, Ways to Conserve Resources, Conclusion, Pictures, and Slogans.

Instructions or hint for Project work:

- Make a colourful chart showing Natural Resources, Human-made Resources, and Human Resources with pictures.
- Create one useful item from waste materials and write its name, materials used, procedure, and importance of recycling.
- Draw and label the Water Cycle.
- Draw a mind map on Types of Resources.
- Write 5 slogans on saving resources.

GK

I. Learn chapters 1 to 6 from G.K. textbook.

II. Activity: Create a "Danger Alert" Poster

Research any five poisonous plants and prepare warning poster.

For each plant, include:

- Common and scientific name
- Country or region where it is found
- Harmful effects on humans/animals
- Safety precautions
- One interesting fact

Suggested Plants

- Oleander
- Castor Plant
- Deadly Nightshade
- Rosary Pea
- Poison Ivy

III. Do your research and find out the answers of the following questions (current affairs) and write them neatly in GK notebook.

a) Which organisation works for world peace and cooperation?

- b) Which major sporting events will take place in 2026?
- c) Which country won the ICC Men's T20 World Cup 2026?
- d) What major international AI summit was hosted in New Delhi in February 2026?
- e) Which Indian space mission aims to send astronauts into space?
- f) Which country is hosting the BRICS Summit in 2026?
- g) Who inaugurated India's first Namoo Bharat Regional Rapid Transit System (RRTS) and when?
- h) Which country withdrew from WHO from March 2026 and why?
- i) Which Indian industry signed \$3 billion green ammonia supply deal with South Korea's Samsung C&T?
- j) Who became India's 94th chess Grandmaster and the first from north-east region to earn the prestigious title?

VEDIC EDUCATION

- 1- एक फाइल में श्रद्धानंद जी के विषय में इस प्रकार लिखना है -
परिचय - 6 पंक्ति
विचार में परिवर्तन - 8 पंक्ति
समाज सुधार के लिए कार्य - 10 पंक्ति में
बलिदान - 5 पंक्ति
और उनका एक चित्र बनाना है।
- 2- ऐसे पांच लोगों को गायत्री मंत्र सीखाना है, जिसे गायत्री मंत्र नहीं आता, और सिखाते हुए समय की फोटो आपको फाइल में चिपकानी है।
- 3- छुट्टी के समय में आपको अपनी दादी या किसी भी बड़े से नैतिक, और संस्कार युक्त कहानी सुननी है तथा फाइल में आपको उस कहानी का शीर्षक, 5 पंक्ति में कहानी का सारांश, तथा उस कहानी से मिलने वाली शिक्षा आपको लिखनी है।

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