



BADRI NARAYAN SAHA D.A.V PUBLIC SCHOOL BLOCK ROAD, SIRSIDA, GIRIDIH

SUMMER VACATION HOLIDAY HOME WORK-2025

- I.T:** You have noticed that your classmate does not wear appropriate clothes to school. You have to educate him about the dressing and grooming standards.
What would you tell him?
Pulkit is working in an organization. He works in an unorganized way and never completes his task on time. You are his officemate. What are pieces of advice would you give him so that he learns about goal setting, scheduling, planning and self-discipline?
Sanket has to write a paragraph on the topic conservation of water for his assignment. He does not remember the assessment criteria for paragraphs. Help him outline the grading criteria of a paragraph.
Draw signs of visual communication (Pg-25)
Write all "I know" Section of Chapter 1 and 2 in your copy. Pg-25, 36, 33, 51, 52

- Mathematics:** Q1: a) Observe five different measurements or values used in daily life (e.g., room dimensions, mobile storage, clock time, speed). Identify which are rational and which are irrational numbers.
b) Discuss how irrational numbers like $\sqrt{2}$ or π appear in real-world contexts (e.g., architecture, design, and construction).
Q2. Measure the length and breadth of a rectangular table. Use the Pythagorean Theorem to find the diagonal. Is it a rational or irrational number?
Q3: a) Differentiate between rational and irrational numbers using definitions and examples.
b) Explain why every rational number is a real number, but not every real number is rational.
c) If $x = 3 + 2\sqrt{2}$, find the value of (i) $(x^2 + 1/x^2)$ (ii) $x^3 + 1/x^3$
Q5. Express the following as rational numbers in the form of p/q. a) $0.\overline{6}$ b) $0.12\overline{3}$
6. Represent the following number on Number line : a) $\sqrt{3}$ b) $\sqrt{10}$ c) $\sqrt[3]{9.3}$

- HINDI** क्या आपको लगता है कि 'दो बैलों की कथा' आजादी की लड़ाई की और हमें प्रेरित करती है? इस पर तर्क सहित अपना विचार प्रकट करें।
'आदर्श विद्यार्थी' अथवा 'मेरे जीवन का लक्ष्य' पर अनुच्छेद लिखें।
पाठ 'दो बैलों की कथा' के आधार पर पाँच नीतिपरक बातों का उल्लेख करें।
संत कबीर ने सच्चे प्रेमी की क्या कसौटी बताई है?
किसी व्यक्ति की पहचान उसके कुल से होती है या कर्मों से; तर्क सहित उत्तर दें।

SOCIAL STUDIES

Collect photographs of the French philosopher like Rousseau, Montesquieu and Voltaire and write few lines about each of them.

Draw a list of democratic rights we enjoy today whose origin could be traced to the French Revolution.

On the outline map of India, show the following-

- Two states through which the Tropic of Cancer passes.
- The island groups of India lying in the Arabian Sea and the Bay of Bengal.

Prepare a list of countries that have changed their form of government from undemocratic to democratic and from democratic to undemocratic.

Distinguish between Fixed capital and Working capital.

ENGLISH

Explore the various literary devices used in the Chapters and Poems taught in your class (before vacations) and write them with proper examples.

Imagine yourself to be the "Lost Child" from the Chapter and narrate what happened after the end given in the chapter. Did you find your parents? If yes, how?

Prepare a complete tense chart with structure based on the sentences of Simple Present Tense given below:

1. He goes to school every morning.
2. She understands English.
3. It mixes the sand and the water.
4. He tries very hard.
5. She enjoys playing the piano.

Describe the condition of the child when he was separated from his parents in the fair. Do you think it as a natural reaction?

Write a descriptive paragraph on your visit to a fair in your town. (80-100 words)

SANSKRIT

लिखन्तु स्मरन्तु च=शब्दरूपाणि -बालक, मुनि, साधु, भवत्, लता, नदी, तथा फल, अस्मद्, युष्मद्, (तत् किम् त्रिषु लिङ्गेषु स्मरणीयः लेखनीयः च।

धातु रूपाणि= अस्, कृ, नी, गम्, सेव्, लभ् (पञ्च लकारेषु)

संख्यावाचकशब्दाः= एकतः शतं पर्यन्तं लेखनीयः स्मरणीयः च अभ्यासपुस्तिकायां

दत्तानां अव्ययपदानां वाक्येषु प्रयोग्य अभ्यासपुस्तिकायां लिखन्तु स्मरन्तु च=पुरा, अधुना, अद्य, श्वः, ह्यः, कति, कदा, कुतः, कथम्, किमर्थं इत्यादयः

कोऽपि एकं अपठितगद्यांशं आदाय स्वाभ्यासपुस्तिकायां लिखन्तु



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SCIENCE

"Compare cell organelles to members of your family at home. Describe the analogy by matching each organelle with a family member based on their function. For example: 'Parents = Nucleus, because they control and guide the family just like the nucleus controls the cell.' Use similar comparisons for at least 5–7 organelles.

Place raisins in water overnight. Observe and note the changes. Write an explanation using the concept of osmosis. Also draw or stick photos of related observation.

Is it possible for a moving object to cover a certain distance but zero displacement, Justify your answer?

“Diffusion Detective” Home Hunt

Objective: Connect diffusion to daily life.

Creative Twist:

Make a detective file with sketches, “evidence photos,” and clues about where diffusion took place.

Draw flow chart of interconversion of states of matter

Activity : “My Daily School Route” (or any trip)

Steps:

1. Draw a map showing your actual walking route from home to school or market.

2. Measure and mark:

Distance (every turn you take)

Displacement (draw a straight line from home to school)

3. Label both with different colors.

4. Write the values:

Total Distance: ____ meters

Displacement: ____ meters in ____ direction

Conclusion:

Highlight the difference between the two.