

SRI RAM KRISHAN DAV PUBLIC SCHOOL, SURIYA

Summer Vacation Holiday Homework (Class VIII) 2025-26

SUBJECT: ENGLISH

1. Summarizing specific lessons:

👉 "Three Questions"

👉 "Granny's Tree Climbing"

👉 "The Fun They Had"

2. Answering questions related to these lessons.

👉 Three Questions

👉 Granny's Tree Climbing

👉 The Fun They Had

3. Writing skills exercises:

👉 Drafting a notice inviting responses to the king's three questions

👉 Writing a diary entry from Granny's perspective about her desire to climb trees

👉 Composing an article about an ideal

Subject- Science

Physics

1. Why is it much easier to burst an inflated balloon with a needle than with a finger?
2. Were the cutting instruments sharpened?
3. State true or false and give reasons for the same: A force can never stop a moving Object.
4. State true or false and give reasons for the same: Swimming in freestyle involves Pushing force.
5. State true or false and give reasons for the same: School bags should always have Broader straps.
6. Which of the following changes when an astronaut travels from the earth to the moon?
 - a) mass
 - b) weight
 - c) density
 - d) none of these
7. Why are the tubes inflated when air is pumped into it?
8. Liquid molecules do not show compressibility. Give reasons.
9. Explain the working of a hydraulic press with an illustrated diagram.

school

👉 Writing a letter to a friend about visiting an orphanage and suggesting remedial measures

Project Work

👉 Make a colourful Tense Chart with two examples of each form.

👉 Draw a list of Booker Awardees on a chart paper with beautiful writing.

SUBJECT: SANSKRIT

1. पाठ 1, 2, के सभी अभ्यास प्रश्नों पर लिखें एवं याद करें।

2. व्याकरणम् - राम, मुनि, मति, शब्द रूपाणि लिखें।

3. धातु रूप-दृश्, स्था, धातुरूपाणि पञ्च लकारेषु लिखन्तु।

10. Fill in the blanks: Halting of moving ball on its own is an example of Force
11. Why are iron rails of railway track fixed over wide wooden or concrete sleepers?
12. Why is a person's weight on Jupiter three times more than that on the earth?
13. Explain why water comes out slowly from an upstairs' tap than from a similar tap Downwards.
14. In a bullock-cart, each of the two bullocks pull with a force of 1500 N. Find the resultant Force.
15. A rocket has been fired upwards to launch a satellite in its orbit. Name two forces acting On the rocket immediately after leaving the launch pad.

Chemistry

1. Give one example of each: metals and non-metals.
2. Name the metal, which is the best conductor of heat and electricity.
3. Name the property by which metals can be drawn into thin wires.

4. Name the gas produced, when metals reacts with acids.
5. What is the color of the copper sulphate solution?
6. . State the nature of oxides of non-metals.
7. Which metal is stored in kerosene?
8. Name the property of the metal by which it can be drawn into thin sheets.<
9. What happens when sulphur reacts with oxygen?
10. Which non-metal catches fire, if exposed to air?
11. Name the gas that burns with a POP sound.
12. What are Displacement reactions?
13. Give one use of non-metal in our daily life.
14. What are metalloids?
15. Which metal is use to wrap food items?
16. Compare metals and non-metals based on their physical properties (three points).
17. Iron is more reactive than copper. Can you write an activity to show this? Write the chemical reaction involved.
18. Compare metals and non-metals based on their chemical properties (three points).
19. Complete the following reactions:
 - i. Copper Sulphate (CuSO_4) + Zinc (Zn) $\rightarrow$
 - ii. Sulphur dioxide (SO_2) + Water (H_2O) $\rightarrow$
 - iii. Magnesium (Mg) + Oxygen (O) $\rightarrow$
20. Write an activity to show that non-metal oxides are acidic in nature. Write the chemical reaction involved. Show how:
 - i. Metals react with oxygen
 - ii. Metals react with water
 - iii. Metals react with acid.
16. (Also write a chemical reaction in all the above cases)
18. While observing onion peel cells, what is the dark structure in the centre of the cells found To be? Mention two of its functions.
19. Why are nerve cells long and fibre-like? Discuss.
20. . Explain the role of ribosomes present on the Rough ER.
21. Why multicellular organisms like humans and elephants cannot grow as a single large cell And perform all functions through it?
22. Give reasons for the following.
 - a. Tomatoes are red in colour.
 - b. Plant cells contain large vacuoles.
 - c. Multicellular organisms are made up of cells having varied shapes and sizes.
 - d. Cells remained undiscovered for a long, long time.
23. Even though both plant and animal cell are structural and functional unit of life, yet they are Different 'discuss.
24. How is SER different from RER?
25. Some cells have extensions on their cell membrane which help in locomotion and collection of Food. These extensions are known as _____.
26. Why is chloroplast present only in plant cells?
27. Draw a diagram of plant cell and label-
 - a) The powerhouse of the cell
 - b) The pigment imparting organelle
 - c) Store house of the cell
 - d) Brain of the cell.
 - e) Regulates the entry and exit of materials from the cell .

Project work

1. Prepare a 3D model of Plant cell (odd roll numbers) and animal cell (even roll numbers).
2. Prepare a working model of Hydraulic press.

SUBJECT: MATHS

1. Find the smallest natural number by which 392 must be multiplied so that the product is a perfect cube .
2. Find the cube root of $27 \times (-2744)$

BIOLOGY

17. Rohan has a small lawn in his house having a number of flowers. He is amazed at the Beautiful colours and asks his teacher ' what makes the flowers so colourful?'

3. Show that 0.001728 is a cube root of a rational number
4. Multiply 10584 by the smallest number so that the product is a perfect cube.
5. The volume of a cube is 4096 cu.m . Find the length of the side of cube.
6. Find the cube root of the number 110592 by the estimation method.
7. Evaluate: $\sqrt[3]{3375 \times (-729)}$
8. Find the volume of a cube, one face of which has an area of 81 m²?
9. Find the smallest number which multiplied with 3600 will make the product a perfect cube. Further, find the cube root of the product.
10. Find the approximate length of the side of a cube whose volume is equal to a cuboid having dimensions 100m, 11m and 9m ?
11. Divide the number 52728 by the smallest number so that the quotient is a perfect cube. Also find the cube root of the quotient.
12. Prove that if a number is tripled, then its cube is 27 times the cube of the given number.
13. Evaluate : $\sqrt[3]{\frac{0.008}{0.027}} \div \sqrt[3]{\frac{729}{512}} \times \frac{27}{16}$
14. Difference of two perfect cube is 189. If the cube root of the smaller of the two number is 3, find the cube root of the larger number.
15. Three numbers are in the ratio 1:2:3 and the sum of their cubes is 4500. Find the numbers.
16. Find the area of one face of a cube if its volume is 512 cm³.
17. The area of a square field is 5184 m². A rectangular field, whose length is twice of its breadth, has its perimeter equal to the perimeter of the square field. Find the area of the rectangular field.
18. The cost of leveling a square field at Rs.15 per square metre is Rs.19935. Find the cost of fencing the field at Rs.22 per metre.

19. The product of two numbers is 1296. If one of the number is 16 times other, find the number.
20. Find the three numbers in the ratio 2:3:5, the sum of whose square is 608.

Project Activity:

1. Make a model based on squares and square roots.
2. Write all the laws of exponents on a chart paper

SUBJECT: SOCIAL SCIENCE

- 1.) Why is there a need for a resource planning? Give any three reasons.
- 2.) Mention any six factors on which the utilization of resources depend.
- 3.) 'Human needs and wants are neither uniform in all parts of the world nor static over the year'. Explain the statement by giving suitable examples
- 4.) Mention any five major events related to the freedom struggle of India.
- 5.) Identify any three provisions which make the Constitution of India rigid as well as flexible.
- 6.) 'Human needs and wants are neither uniform in all parts of the world nor static over the year'. Explain the statement by giving suitable examples

Project Work

1. Prepare a pictorial chart showing the classification of resources giving at least a suitable example of each category or resource.

2. Design the preamble of India.

SUBJECT: HINDI

1. तत्सम और तद्भव की परिभाषा लिखकर दस-दस उदाहरण लिखिए।
2. उपसर्ग और प्रत्यय की परिभाषा सोदाहरण लिखिए।
3. पार्क की सफाई हेतु नगर निगम अधिकारी को पत्र लिखिए।
4. निम्न सभी विषयों पर 80 - 100 शब्दों में अनुच्छेद लिखिए।
 i) मेरा प्रिय त्योहार
 ii) मेरे जीवन का लक्ष्य
 iii) यदि मैं नदी होता/होती
5. 'पेड़-पौधों की उपयोगिता' पर एक विज्ञापन बनाइए और उसके संबंधित दस पंक्तियाँ लिखिए।