ENGLISH-

1. Do revision of complete syllabus done in classroom.
2. Make a creative diary and write daily routine from June onwards.
3. Write an essay on 'Impact of Pandemic on our Society'.
4. Talk to your parents/grandparents and ask about their growing years and write a story on 'Magic of Old Days' in 150 to 200 words.
5. Read English newspapers, find difficult words, and write their meaning (as many as you can).

हिन्दी -

1. मुहावरों का प्रयोग करते हुए सचित्र व स्वरचित कहानी लिखिए।

2. ऐसे दस शब्द लिखिए जिनमें उपसर्ग व प्रत्यय दोनों का प्रयोग हुआ है।

3. स्वरचित कविता लिखें व चित्र बनाएं।

4. ग्लोबल वार्मिंग मनुष्यता के लिए खतरा विषय पर अपने विचार लिखिए।

5. लॉक डाउन के दौरान आपने अपनी रोग - प्रतिरोधक क्षमता को बनाए रखने के लिए क्या - क्या किया ? अपने अनुभव लिखिए।

6. हिंदी साहित्य के प्रसिद्ध किन्हीं पाँच लेखकों के चित्र लगाते हुए उनकी प्रमुख कृतियों के नाम लिखिए एवं किसी एक के विषय में विस्तारपूर्वक लिखिए।

SANSKRIT-

1. पंच श्लोकाः लिखतु।

2. तुमुन् , टाप् , ल्यप् कत्त्वा प्रत्ययेन सह पंचानां–पंचानां शब्दानां लिखतु।

3. अस् ,दा , पा धातु रूपाणि लिखतु।

4. तत् , पितृ, राजन् शब्दानां रूपाणि लिखतु।

5.सचित्र दश फलानां नामानि लिखतु।

MATHEMATICS-

1. Represent $\sqrt{5}$, $\sqrt{6}$, $\sqrt{7}$, $\sqrt{8}$, $\sqrt{26}$, $\sqrt{27}$, $\sqrt{28}$, $\sqrt{8.3}$, $\sqrt{7.4}$ on the number line.

2. Factorise -

a) $64x^3 + 125y^3$

b) $y^6 - 512z^6$

c) $x^9 - y^9$

d) $27(a+b)^3 - 8(a-b)^3$

e) $y^3 + 3y^2 + 3y - 7$

3. Learn and write all algebraic identities of chapter 2 with two examples each.

4. Learn and write squares (from 1 to 25) and cubes (1 to 15)

5. Do Revision of all class work in a separate note book.

SOCIAL SCIENCE-

1. Find out about some revolutionary figures you have read in Chapter 1.
2. The French Revolution. And write short biographies of the following persons.

Maximilien Robespierre, Emmanuel Joseph Sieyes, Napoleon Bonaparte and Danton.

(**Note:** Use project file, paste some pictures too).

Or

Prepare a project report from given below topics:

1. Indian constitution a brief introduction.
2. How was the Indian constituent assembly formed?
3. Role of Dr. B.R. Ambedkar in making of the constitution.
4. Philosophy of the Indian Constitution.
5. Composition of the Constituent Assembly.
6. Brief description about five members of the constituent assembly such as Dr. Rajendra Prasad, H.C. Mookerjee, Jawaharlal Nehru, Baldev Singh & Sarojini Naidu.

SCIENCE-

1. Many municipal corporations are trying water – harvesting techniques to improve the availability of water. Find out what these techniques are and how they would increase the water that is available for use. Go to the nearest government offices and observe if water-harvesting techniques are being used there. Prepare a report on your observations and to be submitted to respected teacher as soft copy.
2. Report should be MS Word file in Times New Roman fonts with font size of 12.
3. Solve the questions from the worksheet attached along with the holiday homework in your fair notebook.

SCIENCE-IX
HOLIDAY HOMEWORK WORKSHEET

1. Derive three equations of motion graphically.
2. Find the ratio of magnitude of average speed and average velocity.
3. A bridge is 400m long. A 50m long train crosses the bridge at the speed of 50m/s. what the time taken by the train to cross it?
4. What do you mean by retardation? How does it differ from acceleration
5. Draw velocity time graph of the following
   a) Body travelling with zero acceleration
   b) Body travelling with Non uniform acceleration
6. Differentiate between distance and displacement with appropriate examples.
7. A women is wearing her seat belt, while driving at 60km/h. she finds it necessary to slam on her brakes and slows uniformly to a stop in 1.6 s. what is the average acceleration experienced by her?
8. The motion of blades of an electric fan around the axle is an example of which type of motion.
9. A body is moving with an initial velocity of 5m/s accelerates at $2m/s^2$. What will be its velocity after 10 minutes?
10. A ball is released from the top of a tower of height 'h' m. It takes T second to reach the ground. What is the position of the ball in T/3 seconds?
11. Sponge is a solid but still it can be compressed. Why?
12. What is tincture of iodine?
13. Evaporation causes cooling. Why?

14. Define latent heat of fusion.

15. Differentiate between solids, liquids and gases.

16. The best evidence that particles of matter are constantly moving comes from the studies of…………

17. Ranjana visited the natural gas compressing unit and found that the gas can be liquefied under specific conditions of temperature and pressure. While sharing her experience with friends, what conditions of temperature and pressure would she be describing?

18. Differentiate between evaporation and boiling.

19. Why do we wear cotton clothes in summer and woolen clothes in winter?

20. Which causes more harm, a steam or a hot boiling water? Why?

21. Name two factors on which shape of the cell depends?

22. What is the chemical composition of cell wall in plants and fungi?

23. Differentiate between prokaryotes and eukaryotes.

24. Differentiate between plant and animal cell.

25. What do you mean by cell organelles and explain any two.

26. What are the functions of centrosome?

27. Cell wall of the plant is made up of which material?

28. Every multicellular organism has arisen from a single cell. Justify this statement.

29. Differentiate between osmosis and diffusion.

30. Draw a well labeled diagram of plant and animal cell.

NOTE:-
❖ **Do the homework in separate note book.**
❖ **10 marks will be awarded for Summer Holiday Homework.**

CLASS TEACHER'S SIGNATURE   **PRINCIPAL'S SIGNATURE**