



DELHI WORLD PUBLIC SCHOOL
RAJKOT



Class - _____



“Summer holidays are a time for kids to explore the world, create memories, and fill their days with laughter and adventure. It's a break from routine, a chance to play freely, and an opportunity to let their imaginations run wild!”
Dear Parents, as the summer holidays approach, we want to ensure that the break is enjoyable, relaxing, and productive for your child. While it's important for children to rest and recharge, summer is also an excellent time to encourage learning in a fun and engaging way. To help your child stay on track and keep their skills sharp.





DELHI WORLD PUBLIC SCHOOL RAJKOT

Holiday Home Work



Session 2025-26

Hey Kids !

Summer Vacation is a welcome break..... Break from fixed schedule, rules & regulations of school, freedom from Teachers and time table. Freedom brings more responsibility, Keeping this in mind, we have planned most of the activities for you to keep you engaged positively and your energies well directed. Though teachers will not be physically present to keep a supervisory eye on you and your work. Guardian Angels at home i.e. your dear mama and papa are there to take care of your emotional, social, physical & academic needs.

We hope your home work and activities will be well managed and presented so that all of you earn a golden star★ as a grade.

We wish you a wonderful time ahead!

Good Habits and Good Manners are life long assets and manners must be practiced until they become a habit.

Four magic words that are basics of good manners are - **Please, Thank you, Excuse me and Sorry.** Make these four words a habit and see the difference.

MANNERS:

At home:

- ⊕ Help to keep the house clean especially the areas you use. Clear the toys, books or crafts that remain after you have finished.
- ⊕ Honesty is the best policy. Tell the truth at all times.
- ⊕ Be polite.
- ⊕ Share the T.V time. Do not sit too close while watching T.V.
- ⊕ Be fair with your friends, brothers and sisters.
- ⊕ Be responsible.



At the dining table:

- ⊕ Take small helpings and refill, clean your plate up.
- ⊕ Take small bites, eat neatly, slowly with your mouth closed.
- ⊕ Help to clear the table and clean up.

In the Park:

- ⊕ Littering makes the park untidy.
- ⊕ Destroying the plants or plucking the flowers will spoil the beauty.
- ⊕ Wait for your turn on swing and slides.



At a party:

- ⊕ Wish the host.
- ⊕ Don't mess up somebody's house.

While shopping:

- ⊕ Softly ask your parent for what you want. If refused, don't throw a tantrum.
- ⊕ Be careful, don't touch any breakable item.



On the telephone:



- ⊕ If there are no elders around, don't let the phone ring long, answer it.
- ⊕ Talk softly when someone is speaking on the phone and don't interrupt.

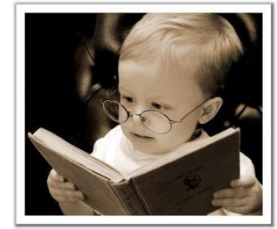
Hygiene:

- ⊕ Brush your teeth twice a day.
- ⊕ Do trim your nails often.
- ⊕ Do not waste water and electricity.
- ⊕ Keep your surroundings and environment clean. It is bad habit to throw things out of the window, car or a balcony.
- ⊕ Make friends having good habits who respect their elders and use good language.



Dear Parents Please ensure the child:

- ⊕ Speaks in **English** as far as possible.
- ⊕ **Read** picture books or story books.
 - Suggestive Series : Noddy, Bubbles , Lady Bird.
- ⊕ Listens to stories told by family members and tries to narrate stories.
- ⊕ Draws and colours pictures often.
- ⊕ Helps in small household jobs like watering plants, laying the dining table, making the bed, arranging books etc.
- ⊕ Is allowed to socialize with family, friends and relatives.
- ⊕ Watch TV only for limited hours and limited channels.
- ⊕ Learns to be self - sufficient by learning to cover books, tie shoe laces, comb hair etc.
- ⊕ Plays some outdoor games, goes for morning and evening walk and exercises regularly.
- ⊕ Sits for his/her studies regularly and completes the holiday Home Work and prepares for the forthcoming Cycle Tests.



We share this world with everybody who lives on this planet. Every small act of ours has an effect on this world. We must learn to take care of our world and make it a better place.

Working together,

Principal



Having spent some time in your new class, you have somewhat got used to the pattern of work in class . You have new challenges to meet and targets to achieve! Hope you have a great time with your family and friends during these holidays. Try everything that helps you enjoy this summer and keeps you in good health as well. Here are some activities designed for you to keep you at your creative best while you stay in your homes, beating the summer heat. These are simple activities that you would love to do on your own. Of course, you could ask your parents for some help.



Summer Holiday Homework

CLASS:9 - CHEMISTRY

Multiple Choice Questions (MCQs)

1. Which of the following statements best describes the particle nature of matter?
 - a) Matter is made up of atoms that are indivisible.
 - b) Matter consists of small particles that are in constant motion.
 - c) Matter is solid and cannot change shape.
 - d) Matter has no structure.
2. According to the kinetic molecular theory, the average kinetic energy of gas particles is directly proportional to:
 - a) Temperature in Kelvin
 - b) Pressure
 - c) Volume
 - d) Density
3. Which state of matter has particles that are closely packed and vibrate in fixed positions?
 - a) Gas
 - b) Liquid
 - c) Solid
 - d) Plasma
4. The spacing between particles is greatest in which state of matter?
 - a) Solid
 - b) Liquid
 - c) Gas
 - d) None of the above
5. In a liquid, the particles:
 - a) Are fixed in place.
 - b) Have high energy and move freely.
 - c) Can slide past one another but are still close together.
 - d) Are very far apart and move independently.

6. Which of the following properties is NOT a characteristic of solids?
- Definite shape
 - Definite volume
 - High compressibility
 - Incompressibility
7. The process by which particles spread out to occupy the available space in a gas is called:
- Diffusion
 - Effusion
 - Condensation
 - Sublimation
8. Which of the following best explains why gases are less dense than liquids and solids?
- Gas particles are more massive.
 - Gas particles are tightly packed.
 - Gas particles are far apart with a lot of empty space between them.
 - Gas particles have no mass.
9. The movement of particles in a solid can be described as:
- Fast and erratic
 - Slow and limited to vibrations
 - Rapid and dispersive
 - Intermittent and random
10. What happens to the spacing between particles in a substance when it is heated?
- The spacing decreases.
 - The spacing increases.
 - There is no change.
 - Spacing can both increase and decrease, depending on the substance.

Numericals:

- $0\text{ K} = \underline{\hspace{2cm}}\text{ }^{\circ}\text{C}.$
- $350\text{ K} = \underline{\hspace{2cm}}\text{ }^{\circ}\text{C}.$
- $-212^{\circ}\text{C} = \underline{\hspace{2cm}}\text{ K}.$
- $0^{\circ}\text{C} = \underline{\hspace{2cm}}\text{ K}.$
- $100\text{ K} = \underline{\hspace{2cm}}\text{ }^{\circ}\text{C}$
- $100^{\circ}\text{C} = \underline{\hspace{2cm}}\text{ K}.$
- $273\text{ }^{\circ}\text{C} = \underline{\hspace{2cm}}\text{ K}.$
- $573\text{ K} = \underline{\hspace{2cm}}\text{ }^{\circ}\text{C}$

9. $400\text{ K} = \underline{\hspace{2cm}}^{\circ}\text{C}$

10. $-100^{\circ}\text{C} = \underline{\hspace{2cm}}\text{K}.$

Two Mark Questions

1. Explain the arrangement and movement of particles in a solid compared to a gas.
2. What happens to the volume of a gas when its temperature is increased, and why?
3. What is meant by the term 'compressibility' and how does it vary among solids, liquids, and gases?
4. Explain why gases can fill the shape of their containers.
5. State two characteristics that distinguish solids from liquids.

Three marks questions.

1. Compare the density of solids, liquids, and gases. Provide reasons for any differences you discuss.
2. Elaborate on the concept of fluidity in liquids and gases. How do their particle arrangements affect this property?
3. Discuss the effect of temperature on the states of matter using specific examples.
4. Compare the properties of solid, liquids and gases(6 points)

CLASS:9 - BIOLOGY

Complete the assignment

1. Write the contribution of the following scientists in the study of cells.
a) Robert Hooke b) Purkinje c) Robert brown d) Schleiden & Schwann.
2. State the main functions of each of the following components of the cell
a)Plasma membrane. b) Mitochondria. c) Nucleus d) Ribosome
e) Lysosomes. f) Endoplasmic reticulum. g) Golgi apparatus. h) Vacuole
3. Draw diagrams of bacteria, plant cell and animal cell. Label the cell organelles present in them
4. Name the types of plastids more common in
a) Leaves of plant. b) Colorful flowers c) Root of plants.
5. Write difference between

a) Prokaryotic and Eukaryotic organisms

b) Unicellular and Multicellular

c) Mitosis and Meiosis

6. What is endocytosis?

7. What is cell sap? Give its composition.

8. What is the significance of pores present on the nuclear membrane?

9. How are chromatin, chromatid and chromosomes related to each other?

10. What is membrane biogenesis? How is plasma membrane formed during this process?

11. Prepare a project on the topic "Global warming"

OR

On the topic "Revolutionising Farming: New Techniques in Agriculture for the Future".

Class:9 – Physics

- 1) Write any three types of motion with one example of each.
- 2) What is speed?
- 3) What is the difference between speed and velocity?
- 4) Write the formula for average speed and average velocity.
- 5) A boy runs in west direction for 12 m, and then he turns towards north and runs 16 m. Find distance and displacement covered by the boy.
- 6) What is uniform motion?
- 7) How is the nature of the distance-time graph when graph is parallel to the time axis?
- 8) Write three equations of motion.
- 9) Write formula for average speed.

Class:9 - Social Science

Prepare a project regarding **Disaster management**

Note- Your hand writing should be good, clean, use cuttings

News paper details etc. to look attractive as per CBSE guideline

You will be awarded 5 marks in internals.

Class:9 – Maths

1. Find three rational numbers between -2 and -3 .
2. Insert 10 rational numbers between $\frac{-5}{13}$ and $\frac{6}{13}$
3. Insert 5 rational numbers between $\frac{-4}{11}$ and $\frac{7}{11}$.
4. Find 5 rational numbers between 2.1 and 2.2 .
5. Represent $\sqrt{3}$ on the number line.
6. Express the following numbers in the form $\frac{p}{q}$ where p and q are integers and $q \neq 0$.
(i) $1.\bar{4}$ (ii) $0.5\bar{7}$ (iii) $0.40\bar{7}$ (iv) $0.00\bar{32}$
7. Find two Irrational numbers between 0.5 and 0.55
8. Simplify the following by rationalizing the denominator.
(i) $\frac{1}{\sqrt{7}-\sqrt{6}}$ (ii) $\frac{1}{7+3\sqrt{2}}$ (iii) $\frac{2}{3\sqrt{3}}$ (iv) $\frac{\sqrt{40}}{\sqrt{3}}$
(v) $\frac{3+\sqrt{2}}{4\sqrt{2}}$ (vi) $\frac{3\sqrt{5}+\sqrt{3}}{\sqrt{5}-\sqrt{3}}$
9. Simplify and evaluate : (i) $2^{\frac{2}{3}} \cdot 2^{\frac{1}{5}}$ (ii) $\left(\frac{1}{3^3}\right)^{\frac{-1}{3}}$ (iii) $81^{\frac{3}{4}}$
10. Find the value of 'a' and 'b' if $\frac{5+2\sqrt{3}}{7+4\sqrt{3}} = a + b\sqrt{3}$
11. Simplify $(\sqrt{3} + \sqrt{7})^2$
12. Find the values of a and b if $\frac{3+\sqrt{2}}{3-\sqrt{2}} = a + b\sqrt{2}$
13. Simplify the product $\sqrt[3]{2}\sqrt[4]{2}\sqrt[12]{32}$
14. Simplify $\left(\frac{x^p}{x^q}\right)^{p+q} \cdot \left(\frac{x^q}{x^r}\right)^{q+r} \cdot \left(\frac{x^r}{x^p}\right)^{r+p}$

Class:9 – Computer

1. Draw a chart which shows advantages and disadvantages of AI.
2. Prepare a presentation or project on Indian computer Scientist & their achievements.
(You can use animation, audio, or video.)
3. Prepare a presentation or project on any three computer devices.
(You can use animation, audio, or video)

Class:9 - Hindi

‘दुःख का अधिकार’ पाठ के आधार पर निम्नलिखित प्रश्नों के उत्तर 50 से 60 शब्दों में लिखिए।

1. दुःख मनाने का अधिकार किन्हें नहीं है और क्यों? भगवाना की बूढ़ी माँ से इसका क्या संबंध है?
2. सूतक क्या होता है? इसका दूसरों पर क्या प्रभाव पड़ता है?

दिए गए संकेत बिंदुओं को सम्मिलित करते हुए लगभग 120 शब्दों में अनुच्छेद लिखिये।

1. साक्षरता अभियान

संकेत बिंदु

- साक्षरता का अर्थ
- साक्षरता : एक ज़रूरत
- साक्षरता का महत्व

1. प्रदूषण से निजात : कचरा प्रबंधन

संकेत बिंदु

- कचरे की वर्तमान स्थिति
- कचरे का दुष्प्रभाव
- कचरा प्रबंधन की आवश्यकता

Class:9 - English

1. Revise all the chapters, we have done in our Live classes.

Writing Assignments

1. Can you imagine a school without teachers and books? Give your opinion on the basis of the lesson 'The Fun They Had'.
2. Write a short note on 'Evelyn Glennie and her achievement'. in your own words.