



RADHIKA SR. SECONDARY SCHOOL

Karwal-Majhgawan, Gagaha, Gorakhpur-273411

CBSE Board | Co-educational | English Medium | Nursery- XII

Homework for Summer Vacation (2025-26)

General Instructions:

- Activities / Project work should be done as per the instructions. Given subject wise. (Use A3/A4 size sheets for activities)
- Holiday Homework will be assessed as Subject Enrichment Activity (SEA). Make sure that you complete the assigned Holiday Homework and submit it on time.
- Neatness and presentation are common parameters for most of the activities assigned. Please maintain the quality of work done.
- Holiday Homework should be submitted by 3rd July 2025. It must be labelled properly with the name, class and roll number of the child.
- Originality of the work will be appreciated.
- Encourage your ward to converse in English as a regular practice during holidays to enhance communication.

NOTICE FOR SUMMER VACATION

(For IX - XII)

1: - Summer Holidays: - 25/05/2025 to 15/ 06/ 2025

2: - School Re- opens: - 16/06/2025 (Monday)

3: - Timing on 16/06/2025: - 8:10 am to 12:40 PM

4: - 1st PTM: - On 25/05/2025(Sunday)

Timing: 9:00 am to 12:00 noon

5: - Completing Holiday Home work is mandatory for all students.



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Class – IX

Subject	Contents
Hindi	<ol style="list-style-type: none"> 'इस जल प्रलय मे' पाठ के आधार पर बताइए कि यदि आपके समक्ष प्राकृतिक आपदा से संबंधित कोई परिस्थिति आती है, तो आप उसका सामना कैसे करेंगे अपने विचार लिखिए। (कृतिका की लिखित उत्तर पुस्तिका में लिखिए) ग्रीष्मकालीन अवकाश में आप अपने परिवार के साथ कहां घूमने जाना पसंद करेंगे और क्यों विषय पर 120 शब्दों का एक अनुच्छेद लेखन कीजिए। (फाइल में लिखिए)
English	<p>Write the following assignments in file.</p> <ol style="list-style-type: none"> You are Amit /Kavita. You are feeling sad of the problems our Mother Earth is going through. Taking ideas from the following clues, and write a diary entry expressing your feelings in about 100-120 words. Clues: <i>suffering planet-pollution-bad habits-sad-destruction by humans-initiatives-efforts-need to care.</i> Write a story with a suitable title using the following hints in 100-120 words. Hints: <i>Bangle seller-small daughter-sick-asked for help-no money-friend's father a doctor - treatment- feeling of satisfaction.</i> <p style="text-align: center;">OR</p> <p>You have an examination tomorrow. There is a power outage in your area as the transformer has stopped working. Write a descriptive paragraph in 100-120 words on how you will tackle this situation.</p>
Social Science	<p>Write a short note in about 150 words of the following important members of Constituent Assembly. (CW. copy)</p> <ol style="list-style-type: none"> 1.Dr. B.R. Ambedkar 2. Shyama Prasad Mukherjee 3.Dr. Rajendra Prasad 4. Abul Kalam Azad. <ol style="list-style-type: none"> Write the name of State/U.T. of India along with their regional languages. (CW.Copy). Write a Note in about 100 words on following topics:- A. French Revolution B. Napoleon Bonaparte C. Indian Deserts. (CW. copy) On an outline map of India locate and label the following features with appropriate symbols- A. Konkan Coast B. Malabar Coast C. Coromandel Coast D.The Karakoram Coast.
Mathematics	<ol style="list-style-type: none"> Solve questions from NCERT Book in HW.copy Exercise 1.1 - 3,4 and 5 Exercise 1.2 - 1,2 and 3 Exercise 1.3 - 1, 2,3,5 and 7 Exercise 1.4 - 1,2,4 and 5 Exercise 1.5 - 1,2,3 Solve exercise 1(G) from R.S. Aggarwal in HW.copy. Solve exercise 2A, 2B, 2C and 2D from R.S. Aggarwal in HW copy.
Computer Application	<p>Types of Computers: Students can research and write about different types of computers on chart paper (with photographs) (e.g., supercomputers, mainframe computers, microcomputers).</p> <p>Computer Functions: They can explore the core functions of a computer (input, processing, output, storage) and the roles of the CPU's components with its photographs. On chart paper.</p> <p>Other Activities:</p> <ul style="list-style-type: none"> Collect Pictures: Students can gather and paste pictures of various input and output devices. 3D Model of Devices: They can create a 3D model of computer input and output devices. Computational Thinking: They can apply computational thinking to describe their daily routines step by step.

<p style="text-align: center;">Science</p>	<p style="text-align: center;"><u>PHYSICS</u></p> <p>Solve question 1 to 9 in your homework copy.</p> <p>1-A body starts to slide over a horizontal surface with an initial velocity of 0.5 m/s. Due to friction, its velocity decreases at the rate of 0.05 m/s^2. How much time will it take for the body to stop?</p> <p>2-A train starting from rest moves with uniform acceleration of 0.2 m/s^2 for 5 minutes. Calculate the speed acquired and distance travelled in this time.</p> <p>3-A bus was moving with a speed of 54 km/hr. On applying brakes, it stopped in 8 second. Calculate the acceleration and distance travelled before stopping.</p> <p>4-A motor cycle moving with a speed of 5 m/s is subjected to an acceleration of 0.2 m/s^2. Calculate the speed of motor cycle after 10 sec, and the distance travelled in this time.</p> <p>5-A car acquire a velocity of 72 km/hr in 10 sec starting from rest. Find (a) the acceleration (b) average velocity (c) distance travelled in this time.</p> <p>6-Prove all three equations of motion by graphically.</p> <p>7-Define velocity and average velocity.</p> <p>8- Define uniform motion and non-uniform motion.</p> <p>9-Write the characteristics of uniform motion.</p> <p>10- Draw a chart paper on topic types of motion and paste the figure which shows the motion.</p>
	<p style="text-align: center;"><u>CHEMISTRY</u></p> <p>Instructions:</p> <p>i) Complete all work neatly in your chemistry notebook.</p> <p>ii) Diagrams must be labelled and drawn with pencils only.</p> <p>iii) Use internet and textbooks for research-based activities but write in your own words.</p> <p>Submission Date: [30 June 2025]</p> <p>Chapter 1: Matter in Our Surroundings</p> <p>1. Worksheet:</p> <p>a) Define the three states of matter with examples.</p> <p>b) Differentiate between evaporation and boiling (at least 3 points).</p> <p>c) List 5 daily life examples of sublimation or evaporation.</p> <p>2. Activity-Based Task:</p> <p>Make a model or collage showing “States of Matter” using household items or pictures from old magazines.</p> <p>Chapter 2: Is Matter Around Us Pure?</p> <p>3. Research & Write:</p> <p>a) What is the difference between a compound and a mixture? Give 3 examples of each.</p> <p>b) Explain the methods of separating mixtures with diagrams (any three methods).</p> <p>“Chemistry in the Kitchen” – Prepare a chart or small report (2 pages) explaining how chemistry plays a role in cooking (boiling, fermentation, use of acids/bases, etc.).</p>
	<p style="text-align: center;"><u>Biology</u></p> <p>1. Make a 3D Model of a Plant Cell and Animal. Cell.</p> <p>[Objective = Understand the structure and differences b/w plant and animal cell]</p> <p>2:- Make a 3D Model of Mitosis & Meiosis [cell division]</p> <p>[Objective = Understand stages of mitosis-Prophase, Metaphase, anaphase, telophase]</p> <p>3: Make a 3D Model of Types of Animal tissue, Nerve-cell, Plant tissue.</p> <p>4: Written Assignments.</p> <p>↳ Write a project files [Short research Project] on a topic like the microscope, cell-division or animal tissue.</p>