



**RAHUL INTERNATIONAL SCHOOL
SUMMERBREAK HOLIDAY HOMEWORK**

Academic Session (2026-27)

GRADE-IX(A)

☀️ □ Summer Holiday Message □

With summer holidays around the corner, our hearts swell with a spectrum of emotions— joy, excitement, and the promise of rejuvenation.

To ensure the continuity of learning while allowing ample time for rest and creativity, we have designed an enriching Holiday Homework It aims to keep you constructively engaged and help chase away boredom in meaningful ways.

- □ **Begin your day with a good book.**
- □ **Make it a habit to read an English newspaper daily.**
- ✍️ □ **Complete your holiday assignments sincerely.**
- □ **Stay connected with your subject teachers for any support.**

Unleash your imagination, nurture your talents, and let your creativity shine. Have fun, stay safe, and make this summer a time of joyful learning and memorable moments.

**Happy Holidays! —
The Rahul International School**



RAHUL INTERNATIONAL SCHOOL
CLASS-IX(A)
Summer Holidays (2026-27)
Homework

S No	Subjects	Work
1.	Hindi	अपने अपने मित्र को याद करते हुए एक पत्र लिखिए जिसमें आप अपने गर्मियों की छुट्टी की सारी बातें उनको बता रहे हैं। राम और लक्ष्मण के बीच उनके प्रेम को दर्शाते हुए एक अनुच्छेद लिखिए। आधुनिक भारत के ऊपर एक अनुच्छेद लिखिए। लेखन की आवश्यकता क्यों पड़ती है इस कार्य का इस बारे में विस्तृत जानकारी दीजिए और अपने विचार प्रस्तुत कीजिए।
2	English	Prepare a mini newspaper page named Daily Hunt on chartpaper sheet or in a scrapbook. Your newspaper should include the following: 1. Name of Your Newspaper (creative and attractive title) 2. 3 Headlines related to: School, Environment, Society 3. One Short News Article (write briefly in your own words) 4. One Advertisement (education/product/awareness based) 5. One Weather Report (mention forecast in short form) Instructions: <ul style="list-style-type: none">• Present your work in a newspaper-style format.• Use catchy headlines and proper English.• Add drawings, borders, or images to make it attractive.• Maintain neatness and creativity.• Write in your own handwriting.
3	S. St.	Choose any one of the following... 1: The Earth's Changing Face (Geomorphic Processes) Cover Page: Title, Name, Class/Section, and a sketch or print of Earth's layers. Content Checklist: The Engine Inside: Draw and label a neat diagram showing the Crust, Mantle, Outer Core, and Inner Core. Briefly write 2 lines about the composition of each layer. Internal vs. External Forces: Create a clear comparison table explaining how Endogenic forces (internal, like earthquakes/volcanoes) and Exogenic forces (external, like weathering/erosion) compete to reshape landscapes. 2: Answer these questions directly in your homework notebook. [A] "Social Science is not just about memorizing facts from the past; it is a tool to understand the present." Explain this statement with two practical examples. [B] If you want to study the sudden impact of a new government policy on local market prices in your city, which branch of Social Science will you rely on most? Why?
4	Chemistry	*CHAPTER 1: MATTER IN OUR SURROUNDINGS* *Section A: Very Short Answer – 1. Define matter. Give 2 examples. 2. Name the 3 states of matter with 1 property each. 3. What is diffusion? Give 1 example from daily life.

4. Convert: a) 25°C to Kelvin b) 300 K to °C
5. Why does ice float on water?

***Section B: Short Answer –**

6. Why do gases exert pressure on walls of container?
7. Differentiate between evaporation and boiling. 3 points.
8. Why does a desert cooler cool better on a hot dry day?
9. What is dry ice? Why is it called so?

***Section C: Numerical/Application –**

10. Why can't you smell perfume sitting far away in a closed AC room but can in an open room?
11. Naphthalene balls disappear with time without leaving solid. Name the process. Explain.

***Activity 1: States of Matter Model –**

Use household items to make 3D model showing arrangement of particles in solid, liquid, gas.

Label: Intermolecular space, Force of attraction. Use thermocol balls/clay.

CHAPTER 2: IS MATTER AROUND US PURE

***Section A: Very Short Answer –**

1. Define: a) Pure substance b) Mixture
2. Name 2 types of mixtures with examples.
3. What is a solution? Name its 2 components.
4. Define solubility.
5. Name the process used to separate cream from milk.

***Section B: Short Answer –**

6. Differentiate between homogeneous and heterogeneous mixture. 3 points.
7. What is Tyndall effect? Which mixtures show it?
8. How will you separate salt + sand + iron filings from a mixture?
9. Write 2 properties each of metals and non-metals.

***Section C: Application Based –**

10. Identify colloid, solution, suspension: Milk, Sugar water, Muddy water. Give 1 reason each.
11. Why is air called a mixture but water a compound?

***Activity 2: Separation in Kitchen –**

Perform 1 separation at home. Choose: Tea leaves from tea / Butter from curd / Salt from salt water.

Write: Aim, Materials, Steps, Observation, Conclusion. Paste photo.

***RESEARCH + PROJECT WORK –**

***Topic:** "States of Matter in Nature"

Make an A4 chart on water cycle showing: evaporation, condensation, freezing, melting, sublimation.

Draw diagram + write where each process happens in nature.

'Ex: Sublimation – Naphthalene balls, Dry ice'

REVISION TEST – Do at Home

Solve *NCERT In-text Questions + Exercises* of Ch-1 & Ch-2.

Write in notebook. Underline important definitions with blue pen.

		<p>*Extra Challenge:* Q: Why does rate of diffusion of liquids increase with temperature? Explain with kinetic theory.</p>
5	Math's	<p>Chapter 1 – Orienting Yourself: The Use of Coordinates 1. Draw a Cartesian plane and mark at least 10 different points. 2. Write the coordinates of points located in all four quadrants. 3. Solve all examples and exercises from the chapter. 4. Prepare a colourful chart showing the X-axis, Y-axis, origin, and quadrants. 5. Practice plotting points daily for better understanding.</p> <p>Chapter 2 – Introduction to Linear Polynomials 1. Write 10 examples of linear polynomials. 2. Find the zeroes of 15 linear polynomials.</p>
6	Computer	<p>*Roll No . 1 To 10* Topics :- Communication skills & Introduction to IT- ITeS Industry *Roll No. 11 To 20* Topics :- Self Management skills & digital documentation (Create a document using a word processor, editing features of a word processor) *Roll No. 21 To 30* Topics:- ICT Skills & Data Entry or Keyboard Skills *Roll No. 31 To 40* Topics:- Entrepreneurial Skills & Electronic Spread sheets (Entering Data in a spread sheet & Formulas and functions) *Roll No. 41 To 50 and so on* Topics:- Green Skills & Digital Presentations</p>
7	ART	
8	Physics	<p>*A. Short Answer – 1. Define uniform motion and non-uniform motion with 1 example each. 2. Write 3 differences between speed and velocity. 3. State Newton's First Law of Motion. Give 2 daily life examples. 4. A car travels 100 m in 5 seconds. Calculate its speed in km/h. 5. Why does a passenger fall forward when a moving bus stops suddenly?</p> <p>*B. Numericals 6. A train starting from rest attains a velocity of 72 km/h in 5 minutes. Find acceleration. 7. An object moves 30 m North, then 40 m East. Find distance and displacement. 8. From the equation '$v = u + at$', derive '$s = ut + \frac{1}{2}at^2$' graphically.</p> <p>*C. Diagram Based – 9. Draw distance-time graphs for: a) Body at rest b) Uniform motion c) Non-uniform motion Label axes properly.</p> <p>*2. Activity Based – Creative *Activity 1: Motion in My Home Make a table of 5 objects showing different types of motion. Click photo or draw. **Object** **Type of Motion** **Reason** Ceiling Fan Circular + Rotational Moves in circle about axis</p> <p>Activity 2: Newton's Laws Comic Strip</p>

		<p>Make a 3-box comic showing Newton's 1st, 2nd, 3rd Law with funny daily examples. A4 sheet.</p> <p>Activity 3: Working Model Make a simple pendulum using thread + stone. Measure time for 20 oscillations. Write: `Time period = Total time / 20`. Bring reading to class.</p> <p>3. Research Work –</p> <p>*Topic* "Motion in Sports" Choose 1 sport: Cricket/Football/Badminton. Write 1 page: 1. How is rectilinear motion used? 2. How is circular motion used? 3. How does friction help/harm the player? `Paste 1 picture from newspaper/magazine`</p>
9	Biology	<p>Prepare a project file on any one topic:</p> <ol style="list-style-type: none"> 1. Cell: Structure and Functions 2. Plant Tissues 3. Animal Tissues 4. Importance of Microscope 5. Cell Division <p>Include:</p> <ul style="list-style-type: none"> - Cover Page - Introduction - Diagrams/Pictures - Explanation of Topic - Interesting Facts - Conclusion - Bibliography <p>Instructions:-</p> <ul style="list-style-type: none"> - Complete the homework neatly in a separate biology notebook/file. - Draw neat and labelled diagrams using pencils and colours. - Use coloured pens for headings. - Submit the homework after the summer vacation. - Learn all the work from notebook.

“Wishing you all a very happy summer vocation also we encourage you to approach the syllabus of Ut-1 enthusiasm and dedication, impressing each opportunity for discovery and development.”

Thank you