



RAJA RAMMOHAN ROY ACADEMY

"Learning, laughter, and lovely summer days!"



Dear Parents,
Greetings!

Summer vacation is a wonderful time for children to relax, refresh, and explore new learning experiences. To keep our students engaged in productive and creative activities during the holidays, we have prepared the Summer Holiday Homework.

The homework has been designed to enhance your child's creativity, thinking skills, and subject knowledge in an enjoyable way. We kindly request you to encourage and guide your child to complete the work neatly and sincerely within the given time.

Motivate your child to develop reading habits by encouraging him/her to read books and practice writing daily. Kindly limit excessive screen time and involve your child in creative and outdoor activities. Ensure that your child follows a healthy routine with proper sleep, exercise, and nutritious food.

We hope your child enjoys the holidays while learning something new every day.

Wishing you and your family a happy, safe, and joyful summer vacation!

Warm regards,
Raja Rammohan Roy Academy



Subject	Holiday Homework
Eng. Lang.	<ol style="list-style-type: none">1. Create a 10 to 15-dialogue comic strip on A4 sheet based on any story that you have read recently. Use panels, illustrations, speech bubbles, and short dialogues.2. Write a short book review with a picture of the book on an A4 sheet about a book that you read during the summer vacation.3. Choose 50 idioms and make meaningful sentences with them in A4 sheets.4. Revise all syllabus topics taught in class.
Eng. Lit.	<ol style="list-style-type: none">1. Create a scrapbook on A4 sheets focusing on one author or poet studied in class. Your scrapbook must include:<ul style="list-style-type: none">○ His / Her biography○ Famous works○ Quotes○ Illustrations○ Fun facts2. Twist a Tale: Select a story from your Supplementary Reader and rewrite it in A4 sheet with a creative twist or an alternative ending.3. Revise all chapters taught in class.
Hindi	<ol style="list-style-type: none">1. पुराने और खराब कपड़ों से 2 फुट लंबे और 1.5 फुट चौड़े (24x18 इंच) का एक शानदार और मजबूत बैग बनाएं।2. पंचतंत्र की कहानियों में से कोई एक ऐसी कहानी चुनें जिसमें किसी पक्षी या जानवर के विषय में बताया गया हो। किसी पक्षी या जानवर का एक गत्ते और अखबार की सहायता से मुखौटा तैयार करें और सुंदर कलर भरें।
Mathematics	<p>Integers</p> <ol style="list-style-type: none">1. Solve the following questions: -15 + 28

$45 - 67$

-12×5

$-72 \div 9$

$(-8) + (-14)$

Fractions

2. Solve the following questions :

$3/5 + 2/5$

$7/8 - 1/4$

$2/3 \times 3/7$

$5/6 \div 1/2$

3. Real Life Connection:

Find any five situations from daily life where fractions or integers are used.

4. Puzzle Time Questions:

The additive inverse of -9 is _____.

$3/4 = \underline{\quad}/20$

Rational numbers can be written in the form _____.

$-25 \div (-5) = \underline{\quad}.$

The reciprocal of $7/9$ is _____.

5. Creative Task:

Prepare a colourful chart on Rules of Integers OR Types of Fractions.

Instructions

Do all work neatly in project file.

Draw margins and maintain proper presentation.

Use colours for headings and charts.

Revise tables and basic operations regularly during vacations.

Physics

1. "Measure My Room" Challenge

Task:

Measure the length, breadth, and height of your bedroom (or any room) using a measuring tape.

Calculate the area of the floor and volume of the room.

Record all measurements in metres and centimetres, then convert between them.

: Draw a scaled diagram of the room with dimensions labeled.

Learning focus: Length, area, volume, unit conversion

2. Experiment

Task:

Fill a transparent container with water and note the initial level.

Drop an irregular object (stone, key, small toy) into it.

	<p>Measure the rise in water level to find the volume of the irregular object using displacement.</p> <p>Write the steps with a labeled diagram.</p> <p>3. Density Detective Worksheet</p> <p>Task:</p> <p>Choose 3 household items (e.g., spoon, cork, coin, plastic cap).</p> <p>Predict which will sink or float in water.</p> <p>Find their mass (using a kitchen scale) and volume (by displacement or dimensions).</p> <p>Calculate density using $[\text{Density} = \frac{\text{Mass}}{\text{Volume}}]$ and check if your prediction was correct. you</p> <p>4. Speed Survey of Your Neighborhood</p> <p>Task:</p> <p>Time how long it takes you to walk 100 m (with adult supervision).</p> <p>Calculate your walking speed in m/s and km/h.</p> <p>Compare with a family member's speed.</p>
<p>Chemistry</p>	<p><i>Instructions: Do the holiday homework on loose sheets stapled together. Write neatly and draw diagrams with proper labels. Use coloured pencils for diagrams wherever required.</i></p> <p>Chemistry Holiday Homework</p> <ol style="list-style-type: none"> 1. Prove That Matter Has Mass and Occupies Space. 2. Interactive Map: The Journey of Water (States of Matter). Create a flowchart map tracking water's transformation using a single ice cube. 3. Home Exploration: Spotting Physical vs. Chemical Changes Go on a "science safari" around your house (especially the kitchen!) to understand these two changes (Physical and chemical) through observation. 4. Everyday Tracker: The Change Classification Table Go on a 15-minute walk around your home or garden. Find real-life examples for each category (physical, chemical, Desirable, undesirable, Reversible, irreversible, periodic, non periodic) and record them in the tabular format . 5. Revise the chapters done in class.
<p>Biology</p>	<p><i>Instructions: Answer all questions on neat, loose sheets stapled together.</i></p> <p>Q1. Answer the following real-world application questions:</p> <ul style="list-style-type: none"> • a) The Wind and the Tree: During a heavy storm, young green stems bend completely without breaking, while older branches might snap. Which specific plant tissues allow this flexibility in young stems, and which tissue provides hard rigidity to older branches? • b) The Healed Scratch: If you accidentally scratch your arm, the skin heals and

	<p>replaces itself within a few days. Which type of animal tissue is responsible for covering and protecting the body, and why does it divide so rapidly?</p> <ul style="list-style-type: none"> • c) The Desert Survivor: Cactus plants live in extremely dry conditions. How do you think the protective tissue (epidermis) of a cactus differs from that of a normal water lily plant? <p>Q2. Go out into your garden or a nearby park.</p> <p>Find one leaf that feels very soft and flexible, and one leaf that feels thick or rough.</p> <p>Place the leaves under a page of your notebook and gently rub a pencil or crayon over the page to get a print of the leaf's veins.</p> <p>Write down 2 lines describing how the surface</p> <p>Q3. Draw and Label: Draw a neat, well-labelled diagram of:</p> <ul style="list-style-type: none"> • a) Stomata with Guard Cells • b) A Neuron (Nerve Cell) <p>Revision Work: Learn and revise Ch 1 (Plant and Animal Tissue) and Ch 2.</p>					
<p>History/Civics</p>	<p>1. Topic: If I Were the Law Minister of India</p> <p>Imagine that you have been appointed as the Law Minister of India. Write a short report explaining two laws you would like to introduce for the betterment of society. Also mention the problems these laws would solve and how they would help the people of the country.</p> <p>(Be creative and thoughtful while expressing your ideas. You may add illustrations, slogans, or examples to make your work more attractive.)</p> <p>2. Learn the work done in class.</p>					
<p>Geography</p>	<p>1. Make a chart on Topic: "Climate Change – Save Earth" [use thick chart paper].</p> <p>Do these tasks in loose sheets stapled together</p> <p>2. a)"Soil Detective Kit – Test Your Colony's Soil"</p> <p>Task: Collect 2 soil samples near home: 1 from garden/park, 1 from roadside/construction site.</p> <p>Do 3 tests:</p> <ol style="list-style-type: none"> 1. Color Test: Dry it. Is it red/black/brown? 2. Texture Test: Add water. Does it become sticky = clay, gritty = sand, smooth = silt? 3. Water Holding: Put equal soil in 2 funnels with cotton. Pour 50ml water. Which drains faster? <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">*Sample*</td> <td style="text-align: center;">*Color*</td> <td style="text-align: center;">*Texture*</td> <td style="text-align: center;">*Drains Fast/Slow*</td> <td style="text-align: center;">Best for Garden</td> </tr> </table> <p>b)"Soil Saver – 7 Day Challenge"</p> <p>Task: Do 3 things at home to prevent soil pollution for 1 week.</p> <p>Examples: Compost veg peels, say no to plastic bags, don't waste paper = saves trees = less erosion.</p> <p>Track: Tick calendar daily.</p>	*Sample*	*Color*	*Texture*	*Drains Fast/Slow*	Best for Garden
Sample	*Color*	*Texture*	*Drains Fast/Slow*	Best for Garden		

	<p>Submit: “Before-After” photo of your compost pit/pot + 4 lines: “I saved soil by _”.</p> <p>3. Activity- Complete the Weather Table</p> <p>Weather Condition</p> <p>Suitable Clothes</p> <p>Rainy</p> <p>_____</p> <p>Winter</p> <p>_____</p> <p>Summer</p> <p>_____</p> <p>4. Learn chapter 2 – Atmosphere.</p>
Computer	<p>1. Make a PowerPoint presentation (5 slides) on: "Computer Virus". Take Printout of the slides.</p> <p>2. Revise the chapters:</p> <ul style="list-style-type: none"> • Ch1. Hardware components • Ch2. Number system
Art	<p>Decorate an old paper shopping bag or a brown paper bag creatively and turn it into a useful craft item.</p> <p>You may use colours, cut-outs, ribbons, waste materials, or handmade designs to make it attractive.</p> <p>Bring your completed craft work neatly with your name and class written</p>

General Instructions: *All assignments should be completed neatly. Models, charts, and loose sheets should be safely preserved for submission when the school reopens.*