



DELHI PUBLIC SCHOOL, PAKUR (JH)

















Dear Students,

Vacations are the most attractive and desirable part of school life! It is time again for a fun filled and relaxing summer break. However, during the scorching summer month, when you are locked up inside your homes, time must be spent meaningfully and interestingly. Keeping this in view, we have assigned Holiday Homework for you so that you remain connected with your studies. Also have lots of fun by pursuing your hobbies and enjoying yourselves with the family.







SUGGESTED DO'S IN SUMMER BREAK:

✓ Do's:

-  • Have Fun with your family at home.
-  • Try to engage yourself with some indoor games.
-  • Try to develop a kitchen garden on your own with the help of your parents.
-  • Try to indulge in your hobby like music, dance, painting, collection of leaves, making kites, etc.
-  • Eat healthy and nutritious food and drink lots of water and hydrating liquids.
-  • Eat Vegetables and one Fruit minimum every day.
-  • Wash your hands with soap, before and after taking food.
-  • Give some time to your grandparents. Find out about your family tree, roots and culture from them.
-  • Get up early and go for jogging everyday with your Papa and Mummy or Grand Parents.
-  • Help your parents in doing their house hold work.
-  • Read Newspaper if possible in English every day.
-  • Learn how to make minimum 3 dishes at your home from your mummy (Not for Nur To class II).
-  • Make a rough N.B. Learn and write 5 typical words of English their meaning and their usages.
-  • To improve your handwriting kindly write one page of English and Hindi cursive Handwriting.
-  • Complete your holiday Home work in a very neat and clean Handwriting.
-  • Trim your Hair and Nails at regular Interval.



✗ Don'ts:

-  • Consume oily and junk food.
-  • Spend too much time with computer and mobile games.
-  • Lend your note books/books to others.
-  • Waste your time roaming here and there in scorching heat.



Note:-

- This Holiday Home Work will be taken into consideration as a subjective enrichment activity. Hence, everyone is mandatory to submit the assignments after the reopening of the school.
- The summer vacation commences from **15th May 2026 to 14th June 2026**. The School will re-open on **15th June 2026** with summer timings i.e. **7:00 a.m. to 1:00 pm** till further notifications.



HAPPY HOLIDAYS

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CLASS IX

Summer Vacation Assignment and Projects

Subject – English

1) Draw a Poster on the theme "Back to Our Roots" illustrating a visual comparison showing "Traditional Craft" (The Potmaker) vs. "Modern Pollution by plastic ," urging a return to sustainable living.

2) The "Our Peerless Land" Booklet: 5 Eco-Warriors of India.

Create a booklet featuring 5 Indian environmentalists (e.g., Jadav Payeng or Saalumarada Thimmakka) who have worked to protect "Our Power, Our Planet."

Structure: For each person, include a picture, their "instrument" (e.g., saplings, traditional water systems), and a paragraph on how they embody patriotism and natural pride.

3) Weave a Story on the topic "The Message in the Bottle" where a grandchild helps a grandparent write letters to local authorities to stop a nearby forest from being cleared. (Stick File)

Subject – Hindi

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b) "Save Energy, Save Earth" □□□□ □□ □□□□□□ □□ □□□□□□□ □□□□□□

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Subject – Science

Physics:-

Class: IX | Topic: Motion | Theme: Green Planet

1. Data Analysis: Eco-Friendly vs. Traditional Commute

The theme highlights that modern ways of living must be combined with a deeper respect for nature. In this activity, you will analyze the "strain and drain" caused by different modes of transport.

Task: Imagine three vehicles traveling from your home to a location 10 km away.

Vehicle A (Petrol Car): Moves at a uniform speed of 40 km/h.

Vehicle B (Electric Scooter): Moves at a uniform speed of 25 km/h.

Vehicle C (Bicycle): Covers the first 5 km in 20 minutes and the next 5 km in 30 minutes.

Physics Requirements:

Calculate the Average Speed of the bicycle in m/s.

Construct a single Distance-Time Graph representing all three vehicles.

Identify which vehicle shows Non-Uniform Motion and explain why.

2. Theoretical Application: Reducing the "Carbon Footprint"

The greater demands placed on the environment by an ever-increasing population require us to be "good guests on earth".

Uniform Circular Motion in Renewable Energy: * A wind turbine blade rotates to generate clean energy for our planet. If the tip of a blade moves in a circular path of radius r , explain why its motion is considered accelerated even if its speed is constant.

The Physics of Mass and Motion: Explain how reducing the weight (mass) of a vehicle helps in protecting the planet by requiring less force to change its state of motion, thereby saving energy.

3. Visual & Creative Project: "Motion for Restoration"

Activity: Create a "Motion Infographic" on an A4 sheet.

Content: * Draw or paste pictures of three different sustainable transport methods (e.g., Metro, Electric Bus, Walking).

Define Displacement and Velocity for a person walking through a forest to "promote and restore greenery."

Calculated Insight: If a person walks around a circular park of radius 70m and completes one full round, what is their total distance covered and their final displacement?

Learning Objectives:

To sensitize students about how understanding the laws of motion can lead to better energy conservation.

To apply mathematical concepts (graphs and speed calculations) to real-world environmental challenges.

Suggested Resources:

Review NCERT Class IX Physics: Chapter on Motion.

Physics Holiday Homework 2:

Solve all the questions from the topic motion from NCERT.

Chemistry:-

Chemistry project :

Investigation of Water Level During Salt Dissolution in Water

Biology:-

BIOLOGY – Subject Enrichment Activities For Class 9

***** Prepare a food test activity for starch, protein, and fats using common household food items write the procedures, Material used and record results in tabular form.**

Subject – Social Science

Attempt ANY 3 of the following tasks:

1. Energy Audit at Home

Observe electricity usage in your house for 3 days.

Prepare a table:

Electrical Appliance

Hours Used Daily

Estimated Electricity Consumption

How can it be reduced?

Write:

Which appliance consumes maximum electricity?

Three ways to save electricity at home.

OR

Renewable v/s Non-Renewable Energy

Prepare a comparative chart.

Renewable Energy v/s Non-Renewable Energy

Solar Energy

Coal

Wind Energy

Petroleum

Hydropower

Natural Gas

Write:

Advantages of renewable energy

Why India should focus more on renewable resources?

2. Poster Making

Create a poster on any ONE topic:

Save Water

Go Green

Stop Pollution

Renewable Energy for Better Tomorrow

3. Best Out of Waste

Make any useful item from waste materials and paste a photograph of your activity in the file.

Examples:

Pen stand

Paper bag

Plastic bottle planter

4. Topic: Role of Citizens in Environmental Protection

Write a short paragraph on:

How students can help in protecting the environment.

Prepare a poster on:

"Youth for Green Future"

Subject - Physical Education

Activity/Project

Development of Fitness and Physical Awareness in India

Importance of Health, Fitness and Wellness in Everyday Life

Yoga and Its Impact on Human Health

