



RECOGNISED

Delhi National Public School

Session :2026-2027

Holiday Homework

Class : IX

**Don't stop until you are
proud of yourself."**



SUMMER HOLIDAY

DEAR PARENTS,

HOLIDAYS ARE SPECIAL BREAKS FROM OUR EVERYDAY SCHEDULES, AND WE ALL EAGERLY AWAIT THEM. FINALLY, THE MUCH-AWAITED SUMMER VACATIONS ARE HERE! THE HOT, WINDY DAYS OF MAY AND JUNE MAKE US ALL EXCITED FOR THIS LONG BREAK, A TIME TO RELAX AND HAVE FUN.

IT'S A GREAT TIME FOR YOU TO CHERISH THE LITTLE JOYS OF YOUR CHILD. IT'S IMPORTANT TO LIMIT SCREEN TIME AND SUPERVISE THE CHANNELS YOUR CHILD WATCHES. PROVIDE VALUABLE GUIDANCE AND SPEND QUALITY TIME WITH THEM. MAKE THESE HOLIDAYS MEMORABLE BY CREATING A NURTURING AND STIMULATING ENVIRONMENT AT HOME THAT IS FULL OF FUN, EXCITEMENT, AND LEARNING. HERE ARE A FEW SUGGESTIONS FOR PARENTS:

ENGAGE IN MEANINGFUL CONVERSATIONS EVERY DAY.

READ A VARIETY OF STORYBOOKS.

ASSIGN SMALL HOUSEHOLD RESPONSIBILITIES TO HELP THEM BECOME INDEPENDENT.

TEACH THEM THE IMPORTANCE OF MORAL VALUES IN THEIR LIVES.

PARTICIPATE IN VARIOUS INDOOR GAMES WITH THEM. WHILE IT'S CRUCIAL TO TAKE BREAKS AND HAVE FUN, IT'S EQUALLY IMPORTANT TO KEEP LEARNING. FIND A BALANCE BETWEEN WORK AND PLAY, AND LET YOUR CHILD GROW ALONG THE WAY.

THE OBJECTIVE OF HOLIDAY HOMEWORK IS TO EMPOWER OUR STUDENTS TO WORK INDEPENDENTLY AND ENHANCE THEIR ACADEMIC ABILITIES. PLEASE TAKE NOTE:

PREPARE A SYSTEMATIC TIMETABLE AND FOLLOW IT RELIGIOUSLY FROM THE VERY FIRST DAY.

ALLOW THEM TO COMPLETE THEIR HOMEWORK ON THEIR OWN UNDER YOUR GUIDANCE.

REMEMBER TO CAPTURE THE FUN MOMENTS WHILE ENGAGING IN THE GIVEN ACTIVITIES AND PASTE THE CORRESPONDING PICTURES IN YOUR ALBUM!.

English

Poster Making Activity

Make a colorful poster on any one topic:

Save Environment

Say No to Plastic

Importance of Reading

Clean India Mission

Use: Slogans, Drawings

Attractive headings

Grammar Scrapbook

Prepare a small scrapbook with examples of:

Nouns, Pronouns, Adjectives, verbs, Tenses

Add pictures from newspapers or magazines.

Advertisement

Design an advertisement for:

A new school bag

Healthy food product

Sports academy.

हिंदी

✦ रोल नंबर:- 1-8 जगदीश चंद्र माथुर

✦ रोल नंबर:- 9-17 पदुमलाल पुन्नलाल बख्शी

✦ रोल नंबर:- 18 -23 प्रेमचंद

✦ रोल नंबर:- 24 -30 सुभद्रा कुमारी चौहान

✦ रोल नंबर:- 31 -36 रैदास

✦ रोल नंबर:-37- 41 तुलसीदास

✦ नोट:- दिए गए विषय पर 10-12 पृष्ठ की सुंदर परियोजना कार्य तैयार करें (गत्ते वाली फाइल का प्रयोग करें)।

परियोजना कार्य में पेज इस प्रकार होने आवश्यक है - स्वयं का परिचय, अभिस्वीकृति, प्रमाण पत्र, अनुक्रमणिका, जीवन परिचय, साहित्यिक परिचय एवं रचनाएं।

Mathematics

Instructions:

Complete all work neatly in your notebook.

1. Use blue/black pen and draw diagrams with pencil.

2. Show all steps clearly.

3. Revise formulas regularly.

4. Submit the homework after vacation

Complete your notebook.

Chapter 1, 2 and 3 all exercise in your school notebook.

LAB MANUAL ACTIVITY

Lab Activity 1- Basic paper folding activities (Geometrical construction by paper folding)

Lab Activity 2- Construction of a Square Root Spiral.

Lab Activity 3- Abscissa and Ordinate.

Lab Activity 4- Verify $(a+b)^3 = a^3 + 3a^2b + 3ab^2 + b^3$.

PROJECT ACTIVITY

ART INREGRATED TASK

2. Rap/song on Mathematics

3. Make an activity file on Great Indian Mathematician and their

Contributions. Revise your PA-1 SYLLABUS (Chapter-1, Chapter-2 and Chapter-3).

Science

Physics

Project Work + Chart Work

Project Topic:

Physics in Everyday Life

Chart Topics (Any One)

Types of Force

Sources of Energy

Reflection of Light

Simple Electric Circuit

Newton's Laws of Motion

Renewable & Non-Renewable Energy

Chart Making Instructions

Use bright colors and neat handwriting

Draw diagrams with labels

Add important definitions and examples

Decorate borders creatively

Project File Includes

Cover Page

Index

Introduction

Aim of Project

Working Model/Experiment

Diagrams & Pictures

Conclusion

“Physics is not just a subject, it is the science of everyday life.”

Chemistry

Chapters 1 & 2

Chapter 1: Matter in Our Surroundings

Chapter 2: Is Matter Around Us Pure

Part A – Written Work

Chapter 1: Matter in Our Surroundings

Q1. Answer the following:

Define matter with examples.

Write any four characteristics of particles of matter.

Differentiate between solids, liquids, and gases.

Why can gases be compressed easily?

What happens during evaporation?

Explain diffusion with one daily life example.

Why do we feel cool after applying perfume or sanitizer?

State factors affecting evaporation.

Chapter 2: Is Matter Around Us Pure

Q2. Answer the following:

Define pure substance and mixture.

Differentiate between homogeneous and heterogeneous mixtures.

What is a solution? Give two examples.

Define solute and solvent.

What is a saturated solution?

Explain the Tyndall effect.

Differentiate between true solution, suspension, and colloid.

Write the methods used to separate:

cream from milk

salt from seawater

butter from curd

camphor from salt mixture

Part B – Activity Section

Activity 1: Diffusion in Liquids

Aim:

To observe diffusion in water.

Materials Required:

A glass of water

Ink or food colour

Procedure:

Take a glass filled with water.

Add one drop of ink carefully.

Observe without stirring.

Observation:

The colour spreads throughout the water automatically.

Conclusion:

Particles of matter move continuously and mix with each other.

Activity 2: Evaporation Experiment

Aim:

To study the effect of surface area on evaporation.

Materials:

Two plates

Water

Procedure:

Pour equal amounts of water in a bowl and a plate.

Keep both in sunlight.

Observe which dries faster.

Observation:

Water in the plate evaporates faster.

Conclusion:

Greater surface area increases evaporation.

Activity 3: Separation of Mixture

Aim:

To separate sand and salt mixture.

Materials:

Sand

Salt

Water

Filter paper

Procedure:

Mix sand and salt.

Add water to dissolve salt.

Filter the mixture.

Heat the filtrate to get salt back.

Conclusion:

Different separation methods are used for different mixtures.

Part C – Creative Work

Make Any ONE:

A colourful chart on “States of Matter”

A working model showing “Water Cycle”

A flowchart on “Methods of Separation”

A mind map of Chapter 1 and 2

Part D – MCQs

Matter is made up of:

a) Cells

b) Particles

c) Metals

d) Water

Conversion of liquid into gas is called:

a) Melting

b) Condensation

c) Evaporation

d) Freezing

Salt dissolved in water forms:

a) Compound

b) Solution

c) Suspension

d) Colloid

Which method is used to separate butter from curd?

a) Filtration

b) Churning

c) Evaporation

d) Sublimation

Tyndall effect is shown by:

a) True solution

b) Colloid

c) Pure water

d) Salt solution

Part E – Project Work

Topic:

“Importance of Pure Substances in Daily Life”

Instructions:

Write 2–3 pages.

Paste related pictures.

Include uses of pure air, water, medicines, and food.

Make it neat and colourful.

Submission Instructions


Complete work in neat handwriting.

Draw diagrams with colours.

Submit in a decorated holiday homework file.

Mention Name, Class, Roll Number, and Subject on the cover page.

Biology


 working model on any of the below topic

●Animal cell

●plant cell

●Nucleus

●Chloroplast

 Make a project on the fundamental unit of life.

Social studies

Make a project

Topic----poverty as a challenge- In India

Related Topics

>Govt policy for poverty elevation

>Economic growth

>Agricultural development

>Public Distribution system

>Special poverty elevation programs

>Employment assurance scheme

>Pradhan mantri gram yojna

>Jawahar gram samriddhi yojna



Happy Holiday

Submission date of holiday homework
is 6 July 2026.

Warm Regards
Class Teacher
Class IX
DNPS