



VIKAS BHARATI PUBLIC SCHOOL

SESSION (2026 - 27)

CLASS IX
HOLIDAY HOMEWORK

☀ Hello Summer! 🌈

Dear Parents, Warm Greetings!

It's time to smile, the sun is bright. The days are long, the hearts are light. School bags rest, the bell won't ring. Now's the time to laugh and sing!

Splash in water, read a book. Try a new recipe, learn how to cook. Paint the sky with colors bold. Share some stories, new and old.

Plant a seed, watch it grow. Take a walk where cool winds blow.

Help at home, spread some cheer. Make this summer bright and clear. Hug your elders, be polite. Shine with kindness, pure and bright.

You're a star, a dream in flight. A proud Vikas Bharatian, glowing with light! So let's explore, create, and play, Make the most of every day.

Let joy and learning intertwine. This summer, let your spirit shine.

Welcome to the Holiday Homework Adventure!



ENGLISH:

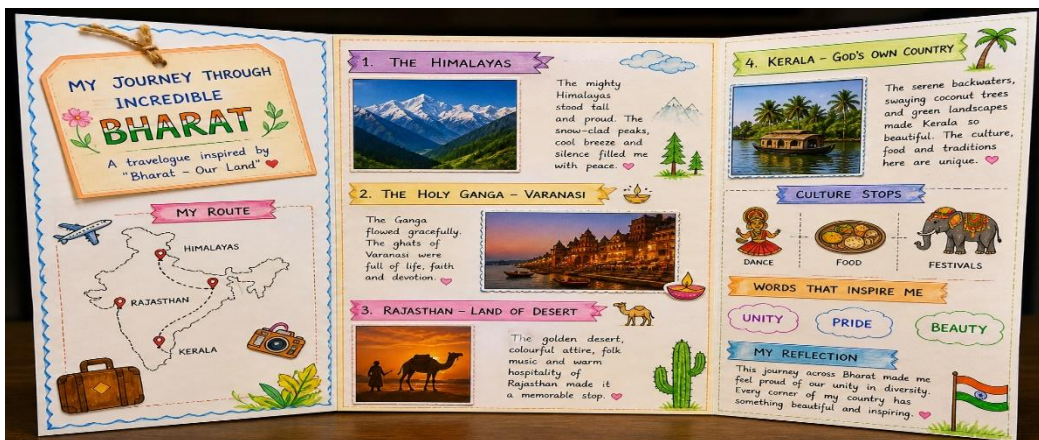
PROJECT- Imagine you are travelling across different parts of India and experiencing the beauty, diversity and cultural richness described in the poem “*Bharat – Our Land.*”

Design a creative travelogue describing your journey through at least three different regions of India (for example: mountains, rivers, deserts, coastal areas etc.).

✦ The travelogue must include:

- A creative title for your journey
- 3–4 short travel entries (40–50 words each) describing different places
- Drawings / pictures / symbols to represent each location
- Elements of culture (food, festivals, people, traditions)
- 2–3 words/phrases inspired by the poem (e.g., unity, pride, beauty)
- A short personal reflection (2–3 lines)
- Focus more on creativity and presentation
- Try to connect your journey with the spirit of India shown in the poem

• SAMPLE IMAGE



PORTFOLIO - ‘Before vs After’ Flip Card

Question: Show the transformation of the grandmother through a flip card design.

Create: Left side: *Before learning*

Right side: *After learning*

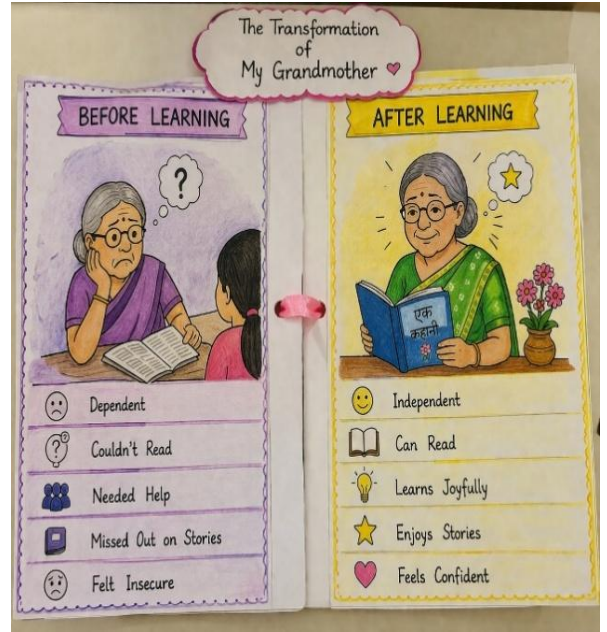
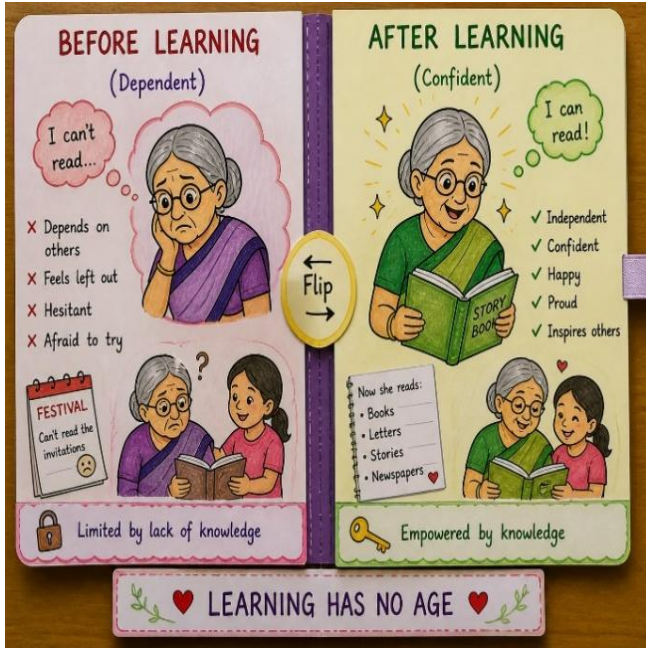
Use: Drawings , Expressions , Keywords

Example:

Before → Dependent

After → Confident

SAMPLE IMAGE



S.H.A.R.P. INSIGHTS

Attempt the following page numbers -

Pg- 13-20 (UNSEEN PASSAGE)

Pg – 142-144 (DIARY ENTRY)

हिंदी

● पोर्टफोलियो:- (5 अंक)

व्याकरण तथा पाठ्य पुस्तक की कार्य पत्रिकाएँ।

❖ कार्य पत्रिकाएँ कक्षा के (WhatsApp) समूह में भी भेजी जाएँगी।

● बहुविध आंकलन :- (5 अंक)

1) 1 जून से 10 जून तक हिंदी समाचार-पत्र (E-Newspaper) की किन्हीं दो खबरों को A-4 size शीट पर चिपकाकर उन खबरों को लगभग 100 शब्दों में लिखें।



2) 'दो बैलों की कथा' का अंत बदलकर पूरी कहानी को चित्रात्मक रूप में A-3 साइज़ शीट पर बनाकर लाएँ।

MATHEMATICS

HOLIDAY HOMEWORK PROJECT – MATHEMATICS (Class IX)

Topic: The Unseen Symphony of Mathematics

Prepare a Project on the topic mentioned above. Follow the instructions carefully and prepare your file neatly and creatively.

Project Guidelines

Page 1 – Cover Page

Make an attractive cover page with the following details:

Title: The Unseen Symphony of Mathematics

- ❖ Student Name
- ❖ Class & Section
- ❖ Subject: Mathematics
- ❖ School Name
- ❖ Roll Number

Use colours, drawings, borders, and creativity.

Page 2 – Index Page

Make an index with page numbers.

Page 3 – Introduction

Write 8–10 lines on What is Mathematics in Daily Life?

Page 4 to Page 13

During the vacation, explore your surroundings and discover how Mathematics is present in the world around you. Visit places such as monuments, temples, parks, markets, buildings, gardens, and natural areas. Carefully observe and identify examples related to the history of Mathematics, Fibonacci sequence, fractals in nature, geometrical shapes, patterns, symmetry, numbers, and measurements. For example.





Collect clear photographs of the objects or places you observe and paste them neatly in your project file. If photographs are not possible, make neat and well-labelled drawings instead. Along with each picture or drawing, write a short explanation describing the mathematical concept shown. Present your work creatively, neatly, and in an organised manner.

Below every picture write

Name of Object: _____

Maths Concept Used: _____

Explanation: (3–4 lines)

Student will explain any 1 or 2 observations in class, learnt by him/ her during completion of this project.

Page 14 – Add reflection.

‘What new Maths did I learn?’

Important Instructions

- ✓ Use your own clicked photographs
 - ✓ Neat handwriting
 - ✓ Use colours and borders
 - ✓ Keep file clean and attractive
 - ✓ Use proper labels
2. Complete the assignments of the following chapters shared on class group.
- Chapter 1: Orienting Yourself: The Use of Coordinates
 - Chapter 3: The World of Numbers

SCIENCE

Assignment 1: The "Earth Systems" Interactive Dial (Even Roll numbers)

Topic: Interconnectedness of Earth's Spheres

Format: Interactive 3D Model



The Task: Design and construct an Interactive Rotating Dial (using cardstock or heavy paper) that demonstrates how Earth functions as a single, integrated system.

- The Design: Create a base layer divided into five sections: Biosphere, Geosphere, Hydrosphere, Cryosphere, and Atmosphere. Attach a top rotating layer with a "viewing window."
- The Flow of Matter: As the dial turns, the window must reveal how Carbon, Nitrogen, or Water moves between those specific spheres. (e.g., When the dial points to 'Atmosphere,' it should show how CO₂ is absorbed by the 'Biosphere').
- Energy Driver: Include a section or a central illustration showing how Solar Radiation and the Differential Heating of these surfaces drive the movement of air and water.
- The Disruption Tab: Create a pull-out tab labelled "Human Impact." When pulled, it must describe one way human activity (like burning fossil fuels or deforestation) breaks the cycle shown on your dial.

Assignment 2: The "Sacred Wisdom" Research Project

Topic: Traditional Knowledge and Biogeochemical Cycles (Odd Roll numbers)

Format: Illustrated Research Report/Case Study

The Task: Investigate how ancient Indian traditional practices align with modern environmental science. Choose one specific practice to research (e.g., *Sacred Groves*, *Traditional Stepwells/Zabo Systems*, or *Vedic Crop Rotation*).

- Scientific Analysis: Explain how your chosen tradition helps maintain the Biogeochemical Cycles (Carbon, Nitrogen, or Water). Specifically, describe how it moves matter between the "Biotic" (living) and "Abiotic" (non-living) environments.
- Reflective Connection: Reflect on the "Traditional Knowledge" learning outcome: How does this ancient practice offer a solution to the changing nature of Earth's environment today?
- The "What If" Challenge: Address the critical question: *"What would happen to the local environmental balance (temperature, soil health, and water) if this traditional practice was completely stopped?"*
- Visual Aid: Include a hand-drawn diagram or a concept map showing the specific flow of nutrients or water within this traditional system.

Physics worksheet to be shared in the class WhatsApp group for practice.

SOCIAL SCIENCE



Project Work – DISASTER MANAGEMENT
Individual Activity :

“We cannot stop natural disasters but we can arm ourselves with knowledge: so many lives wouldn't have to be lost if there was enough disaster preparedness.”

Petra Nemcova

Keeping the above statement in mind prepare a project on Disaster Management.

Note: Follow this pattern while making your project.

- Design a cover page.
- Students Profile with a passport size photograph.
- Make an Index

- Acknowledgement.
- Introduction.
- Preface.
- Case study. (Take any one disaster in detail-Natural/Man-made)
- Conclusion
- Glossary
- Bibliography > Teacher's remarks.

Note: There are ten compulsory pages in the project i.e., cover page, student profile, index, acknowledgement, introduction, preface, conclusion, glossary, bibliography and teacher's remarks. These 10 compulsory pages should be on the right hand side of the Project file.

IMPORTANT INSTRUCTIONS:

- ☞ The project work will be of 5 marks.
- ☞ This project is compulsory for all.
- ☞ Marks of this project will be added in the finals.
- ☞ The project report should be handwritten.
- ☞ The Project should contain at least 20-25 pages.
- ☞ Refer Disaster management book. You can also refer e-book through <https://www.cbse.gov.in>
- ☞ Make use of A4 size sheets with spiral binding

INFORMATION TECHNOLOGY

- Students need to explore and create the machine learning project in Teachable Machine Platform (link given below) on any innovative theme/topic of their choice (printouts are not required to be submitted)
 - <https://teachablemachine.withgoogle.com/>
 - Youtube Tutorial Links
 - <https://www.youtube.com/watch?v=DFBbSTvtpy4>
 - <https://www.youtube.com/watch?v=CO67EQ0ZWgA>
 - <https://www.youtube.com/watch?v=n-zeeRLBgd0>

CRAFT

- Refer these YouTube links and make one craft of your choice
- https://youtu.be/gCXPiB7AT7I?si=u_S1TsIvJkRyXmqN
 - <https://youtu.be/B18V8be43GA?si=nkgUXSkDO8j0v5GT>
 - https://youtu.be/LYgfl1yj_Tbs?si=_E7zWPQgCrhQJ2_s
 - <https://youtube.com/shorts/tgt1d-Qadno?si=abyKwrYW5XcgDtq5>

