

Bhai Parmanand Vidya Mandir
Holiday Homework
Class V

THEME- MY WORLD MY RESPONSIBILITY



Dear Children,

This holiday, we're embarking on an important journey under the theme: My World, My Responsibility. Our planet is our home, and it's up to each of us to look after it. This theme is all about discovering how you can take charge of our future.

We will explore how technology and innovation can be used as powerful tools for change. You'll discover that being responsible for our world is not just a duty, but also an opportunity to use your skills, ideas, and creativity to build a greener, smarter, and better tomorrow.

Get ready to think big and act local. The change starts with you!

Happy learning and enjoy your holidays!

TIPS FOR CHILDREN

1. God gives us 24 hours in a day, let us take out a few minutes for Him and thank Him for the happy moments.....also ask Him to give us strength to cope up with our difficulties.

2. Don't be lazy....and become a couch potato!! Do exercise and be fit and healthy. Revise all the concepts done in the class.
3. Reading is fun and it helps us develop our vocabulary.... Make it a habit to read story books.

TIPS FOR PARENTS

1. Give your child saplings and ask them to plant them and water them and see them grow. Encourage them by saying that they will be presented with gifts for their good deeds.
2. Make them sit by you and ask them what their needs are and satisfy some of the useful ones and explain to them which ones are essential and which ones are not. Give them a feeling that you are there for them.

HOLIDAY HOMEWORK

ENGLISH

TASK 1: CREATE YOUR OWN MAGAZINE

Task: You are the editor and journalist of your own magazine! Design and create a **magazine spread** on any one imaginary but realistic event related to responsibility.

Lay it out on an **A4 sheet landscape or portrait** — think like a real magazine designer. Use **columns, boxes, and borders** to organize your page.

Your magazine page must include:

- A **magazine name and tagline** that you create yourself (e.g. *"The Green Voice – Speaking for the Planet"*)
- A **volume number, issue number and date**
- A **bold headline** and a **sub-heading** for your story
- **Poetry creation** (Write an original poem)
- A **photo box** with a caption (*draw a simple sketch inside it*)
- A **pull quote** (*one powerful line from your article written large, the way real magazines do*)
- A **reporter byline** (*By: Your Name, Junior Correspondent*)
- **Cross word puzzle** (follow the pointers given below)

ACROSS

2. The process of using old materials again to make new things.
3. The natural home of plants and animals.
4. Caring for and protecting the environment is called _____.
5. Using less water and electricity is called _____ resources.

DOWN

1. Waste that breaks down naturally over time is called _____.
2. Harm caused to the environment by smoke, plastic, or chemicals.
3. Energy from the sun is called _____ energy.
4. A person who protects nature and the environment.

Word bank for crossword puzzle: RECYCLING • HABITAT • CONSERVATION
• SAVING • BIODEGRADABLE • POLLUTION • SOLAR • ENVIRONMENTALIST

TASK 2- IDIOM, PHRASE & METAPHOR EXPLORER WITH FLASHCARDS

Collect **20 idioms or phrases** (examples: "lend a helping hand", "turn over a new leaf", "every drop count") and for each one write:

- Its **literal meaning** (*what the words actually say*)
- Its **actual meaning** (*what it really means*)
- One **original sentence** using it in a responsible or caring context.

Arrange all 20 cards as a card collection.

TASK 3: PARAGRAPH WRITING

Write a short creative composition on the topic —

1. **A Day as an Invisible Person**
2. **Any ONE of the following topics:**
 - "Students of Bhai Parmanand Vidya Mandir Plant 500 Trees on World Environment Day"
 - "Children Form a Neighborhood Clean-Up Brigade in Their Colony"
 - "Young Girl Saves Water Crisis in Her Village Through Awareness Drive"

HOW TO WRITE A GOOD PARAGRAPH (3 PARAGRAPHS: INTRO–MAIN–CONCLUSION)

1 INTRODUCTION PARAGRAPH

- Begin with a clear opening sentence connected to the topic.
- Give a general idea about what you will write.
- Use a hook (a question, strong statement, or imagination).
- Keep it short and engaging.

2 MAIN CONTENT PARAGRAPH

- This is the largest paragraph.
- Add details, reasons, examples, and imagination.
- Use linking words: first, next, also, moreover, because, therefore.
- Stay on one central idea; do not drift to unrelated points.
- Use complete sentences and meaningful descriptions.

3 CONCLUSION PARAGRAPH

- Summarize the main idea (in a nutshell, at the end, in conclusion)
- Add a closing thought, hope, or message.
- Do not introduce new details.
- End neatly with a final positive line.

*Students are advised to thoroughly revise all the topics covered in the class till date.

HINDI

विषय संवर्धन गतिविधि

विषय : 'मेरा विश्व, मेरी ज़िम्मेदारी



हमारी पृथ्वी मात्र एक ग्रह नहीं, बल्कि जीवन का यह पावन आधार है जो अपनी गोद में अनंत संसाधनों और अद्वितीय सौंदर्य को समेटे हुए है। यह केवल हमारा निवास नहीं, बल्कि हमारे अस्तित्व का उद्गम और पोषण करने वाला घर है। इसकी पवित्रता को प्रदूषण से बचाना, जल की हर बूंद को सहेजना और पर्यावरण को अक्षुण्ण बनाए रखना हमारा नैतिक ऋण है, जिसे हमें अपनी भावी पीढ़ियों के लिए चुकाना ही होगा।

उप विषय 1 : अनुच्छेद लेखन

‘जल : जीवन का आधार’

निम्नलिखित संकेत बिंदुओं के आधार पर उपर्युक्त विषय पर 100-120 शब्दों में अनुच्छेद लिखिए-
संकेत बिंदु-

- आधारभूत आवश्यकता
- विभिन्न स्रोत
- जल संकट का जीवन पर प्रभाव
- जल संरक्षण के उपाय

अथवा कहानी लेखन

नीचे दी गई पंक्तियों को ध्यान से पढ़ें और कहानी को आगे बढ़ाएँ कि किस प्रकार रमेश ने अपने प्रयास से आस-पास के लोगों को प्लास्टिक और प्रदूषण से होने वाली हानियों के प्रति जागरूक किया। शीर्षक भी लिखें। (१५०-१८० शब्दों में)

एक बार रमेश प्रातः कालीन सैर के लिए निकला। लेकिन तभी

उप विषय 2 : चित्र वर्णन

सूची में दिए गए शब्दों का प्रयोग करते हुए अनुक्रमांक के अनुसार चित्रों का वर्ण ७०-८० शब्दों में कीजिए-

अनुक्रमांक 1-15 (चित्र वर्णन-1)
अनुक्रमांक 16-30 (चित्र वर्णन-2)
अनुक्रमांक 31-46 (चित्र वर्णन-3)

1.



(पर्यावरण, संरक्षण, निर्मल, नीरोग, कीटाणु-रहित, कचरा-पेटी, व्यक्तिगत स्वच्छता)

2.



(विषैले रसायन, औद्योगिक, इस्पात, व्यापार, प्रदूषित हवा, निर्मल, वाहन)

3.



(वृक्षारोपण , मृदा अपरदन , पंक्तियाँ , झारी, छिद्रदार जाली , निर्मल , निर्देश)

उप विषय 3 : स्मरण पत्रक (फ्लैश कार्ड)

- वृक्षारोपण
- अभ्यास का महत्त्व
- व्यायाम व स्वास्थ्य
- स्वच्छता
- समय नियोजन

(क) दिए गए विषयों को ध्यानपूर्वक पढ़िए।

(ख) विषयों में प्रयुक्त होने वाले शब्दों के अर्थ व दो-दो पर्यायवाची शब्द लिखकर 20 स्मरण पत्रक (फ्लैश कार्ड) बनाइए।

गृहकार्य हेतु सामान्य निर्देश -

- ❖ समस्त कार्य A4 आकार के पृष्ठ पर सुंदर लेख में करें।
- ❖ प्रतिदिन हिंदी समाचार पत्र व बाल कहानियाँ (पंचतंत्र) पढ़ें।

MATHEMATICS

TASK-1

Instructions:

- Present your work neatly on A-4 sheets.
- Apply concepts, show working, and give reasoning wherever needed.
- Use your own researched data in all calculations.
- The work should be well-organised with proper headings and clear presentation.
- Diagrams, tables, or colour coding may be used to make the work more presentable.
- Do the worksheet in a separate thin notebook.

PART 1:THE PEOPLE PUZZLE (Population & Overburden)

Population overburden is a major challenge caused by the rapid growth of population. When the number of people becomes greater than the available resources and facilities, it creates pressure on food, water, housing, transport, education, healthcare, and jobs. This results in problems like overcrowding, pollution, traffic congestion,unemployment, and shortage of resources. Understanding population overburden helps us realise the need for proper resource management and sustainable development. Research and collect information about the seven most populated countries in the world (2026) and their total area.

A. DATA COLLECTION- Find the following details for the seven most populated countries and present your data neatly in a table

a) Country Name b) Population (2026) c) Total Area (in sq. km)

B. THE NUMBER BRIDGE

1. Write the population of all five countries in:

- ❖ Indian System of Numeration (numerals and number names)
- ❖ International System of Numeration (numerals and number names)

2. Write the area of all five countries in:

Indian System

International System

C. THE DIFFERENCE PUZZLE

Find the difference between:

- ❖ The highest and the lowest populated countries
- ❖ The largest and the smallest area

D. DENSITY FORMULA CHALLENGE

Use the formula: $\text{Population Density} = \frac{\text{Total Population}}{\text{Total Area}}$

1. Estimate the population of each country to the nearest lakh and then calculate the estimated population density of the above mentioned countries.

2. Identify:

- ❖ The country with the highest population density
- ❖ The country with the lowest population density

TASK-2

LANDFILLS, WASTE & RESOURCE MANAGEMENT

Rapid urbanisation, industrial growth, and increasing population are leading to a huge rise in waste generation across the world. Large amounts of waste are dumped into landfills, causing land pollution, air pollution, groundwater contamination, and harmful greenhouse gas emissions. Proper waste and resource management helps in recycling materials, reducing landfill pressure, conserving natural resources, and creating a cleaner and more sustainable environment. Therefore, it is important to study how different countries manage waste and how scientific planning can help reduce environmental damage.

RESEARCH WORK

1. Research the top five countries generating the highest amount of waste every year.

- a) Find the total waste generated by all five countries together.
- b) Arrange them in ascending and descending order of waste generation.
- c) Find the difference between the country generating the highest and lowest waste.

2. Research the total area occupied by one of the world's largest landfill sites.
 - a) Calculate the perimeter of the landfill.
 - b) Compare its area with the area of your school campus.
 - c) "Study the growth of that landfill area over the past 10 years using available data or estimates. Determine the rate of increase in area and predict how large the landfill may become after another 10 years if the same trend continues. What environmental impacts might arise from this expansion?"

3. "Investigate the annual amount of waste recycled in the top waste generating country and determine the major contributor to waste generation each year."
 - a) Find the remaining untreated waste.
 - b) Express the recycled and untreated waste as fractions.

4. Research the daily waste generated by the second most waste generating country in the world.
 - a) Calculate the total waste generated in:
 - one week
 - one month

5. Research one landfill site that has been converted into a solar park or renewable energy project.
 - a) Find the electricity generated annually from that project.
 - b) Calculate how much electricity would be generated in:
 - One month
 - One year

6. Research the amount of plastic waste entering oceans globally every year.
 - Find the plastic waste generated by the third most waste generating country in the world. If it reduces plastic waste by $\frac{1}{4}$, then how does it affect ocean pollution and calculate the reduced amount of waste entering oceans.

TASK 3

Complete the worksheet given below:

https://docs.google.com/document/d/1qBJjEUUIrWMqcC7edwg-1eTVwbMet2x_Bxk_6tgvxbA/edit?usp=sharing

SCIENCE

TASK 1 – Research-Based Project: Transforming Waste into a Better Future

Choose **any one city or place in India or another country** facing a major waste-management or pollution problem. Research how that place is trying to solve the issue using science, technology, or innovative ideas.

You may choose topics such as:

- Garbage mountains / landfill crisis
- Plastic pollution
- River pollution
- E-waste problem
- Air pollution caused by waste burning
- Ocean waste
- Sewage and dirty water disposal

Examples:

- Delhi – Ghazipur landfill
- Mumbai – Deonar dumping ground
- Seoul – smart waste management
- Singapore – waste-to-energy plants
- The Ocean Cleanup (Great Pacific Garbage Patch)
- Ambikapur, India: Turning Plastic into Food
- Bengaluru, India: E-Waste Urban Mining

Your Task Must Include

1. Introduction of the Place

- Name and location of the city/place
- What environmental problem does it face?
- How serious is the problem?

2. Detailed Analysis

Research and explain:

- Causes of the problem

- Effects on people, animals, water, air, and land
- Statistics, facts, or recent developments
- Photographs, maps, or newspaper cuttings (optional)

3. Scientific & Technological Solutions

Find out:

- What methods or technologies are being used to solve that problem?
- Is the government involved?
- Are scientists, engineers, or citizens helping?
- Mention innovative ideas such as:
 - Bio-mining
 - Recycling plants
 - Waste-to-energy systems
 - AI-based waste segregation
 - Smart dustbins
 - Plastic roads
 - Composting systems

4. Your Own Creative Solutions

Imagine that you are an environmentalist or a city planner.

Write:

- 3–5 innovative solutions YOU would suggest
- How can your ideas help the environment?
- Draw or design **one model/poster** of your idea

5. Conclusion

- What did you learn from this project?
- How can students help in solving such problems?

Use A-4 size sheets to complete your task and answer the questions in an informative data format using pictures and various art forms.

TASK 2

Complete the worksheet given below on A-4 size ruled sheets:

https://docs.google.com/document/d/1RjEs1MJQoo2EnK8c_3UHo_06uGWlmXE_/edit?usp=sharing&oid=102169815565197677966&rtpof=true&sd=true

SOCIAL STUDIES



INSTRUCTIONS

- There are a total of 4 tasks.
- There is a choice between Task 1 and Task 2.
- Task 3 & 4 are compulsory.

TASK-1

Make a Project on the topic :-

CARING TODAY FOR A BETTER TOMORROW

Refer to the following list in order to find the sub-topic assigned to you based on your roll number:

ROLL NUMBERS	SUB-TOPICS	COUNTRIES
a) Roll no: 1 to 5	Every Drop Counts-Smart Water Living	India and Singapore
b) Roll no: 6 to 10	From Trash to Treasure - Responsible Waste Disposal	India and Sweden

c) Roll no: 11 to 15	Switch Off to save - Energy Smart Living	India and China
d) Roll no: 16 to 20	Clean Habits, Clean Nation	India and Japan
e) Roll no: 21 to 25	Move Smart - Greener ways to Travel	India and Netherlands
f) Roll no: 26 to 30	Respect your Plate- Food Responsibility	India and South Korea
g) Roll no: 31 to 35	Green Guardians - Caring for forests and Nature	India and Brazil
h) Roll no: 36 to 40	Smart Farming, Smart Living- Responsible use of Land	India and Israel
i) Roll no: 41 to 45	Responsible Consumption - What we buy and use	India and Germany

According to the sub-topic and country allotted to you, prepare a project and answer the following questions using 8-10 A4 sheets:

- **The "Then" vs. "Now":** What was the traditional way of handling this issue in the past, and how has modern technology changed it today?
- **The "Case Study":** Which specific city or organization in this country is a "Role Model" for this topic?
- **The "Reward":** What is the government doing to make people care?
- **The "Hurdle":** What is the biggest thing stopping this country from being perfect in this area? Is it a lack of money, outdated laws, or just the mindset of the people?

- **The "Policy Mirror":** If India were to adopt one successful policy or technology from [Allotted Country] to improve our current situation, what would it be and why?

OR

TASK-2

Landforms and Their Impact on Human Life

Section-wise Allotment

Sections	Country Pair & Landform Description
Section A	Nepal vs Netherlands – Mountains vs Lowlands
Section B	Egypt vs Brazil – Desert vs Forest
Section C	Japan vs Ukraine – Island & Mountains vs Plains
Section D	Ethiopia vs Norway – Plateau vs Fjords
Section E	Kenya vs Greenland – Grasslands vs Ice-covered Land
Section F	Bangladesh vs Australia – River Delta vs Arid Interior

Instructions for Students

Conduct a research using 5-6 sheets :

Research Work:

- Introduce the landform of both the countries allotted according to your section.
- Prepare a comparative analysis of the landform present in the allotted country.

Creative Work:

- Present your work in the form of charts/ working models/dioramas/3D displays etc.

- Use pictures, maps, diagrams, and examples.
- Ensure neatness, creativity, and clarity.

Parameters for Comparison

Out of all the parameters mentioned below, students are required to include any 4 parameters in the project for comparison between the countries along with their landform :

- Economic Activities
- Tourism
- Population & Settlement
- Challenges / Natural Problems
- Human Adaptation
- Conclusion (Comparison)

TASK-3

Ek Bharat Shreshtha Bharat (EBSB Activity)

Instructions for Students:

Out of the three given project options, students are required to prepare **only one** project of their choice.

1. “Travel Sikkim” Foldable Brochure

Students do:

- Create a colorful travel brochure
- Add:
 - Famous places
 - Local food
 - Festivals
 - “Why visit Sikkim?”

OR

2. Sikkim in a box



Students make:

A shoebox scene showing:

- Mountains
- Monasteries
- Roads
- Houses
- Trees

OR

3. Design a Sikkim Tourism Advertisement

Students make:

- Poster/ad campaign
- Catchy slogans like:
 - “Feel the Clouds in Sikkim!”
 - “Nature Smiles in Sikkim!”



TASK-4

Revise the chapters done in the class so far.

Chapter 1: Mapping the Earth

Chapter 2: Latitudes and Longitudes

Chapter 14: Governing Ourselves