



SHAMBHU DAYAL GLOBAL SCHOOL
SUMMER HOLIDAY HOMEWORK 2026
CLASS: IV

General Instructions for Holiday Homework

- Complete all holiday homework neatly and on time.
- Use scrap file 2 for all subjects. (UOI, English, Hindi and Maths)
- Write your name and section clearly on the cover page.
- Maintain neat handwriting and proper presentation.
- Use colours, headings, and relevant pictures to make your work attractive.
- Do all activities independently with minimum help from parents.
- Keep your work clean and well-organized.
- Read all instructions carefully before starting the work.
- Revise your work after completing it.
- Ensure that all activities, and projects are properly attached in the scrap file.
- Label each subject and activity clearly with proper headings.
- Submit the holiday homework on the third day after vacation. Late submissions may affect marks.
- Incomplete homework will not be accepted for assessment.
- Happy Learning and Enjoy Your Holidays!

NAME - _____

SEC. - _____

SUBJECT **RESEARCH BASED TOPIC: CLEAN WATER AND SANITATION**

UOI

Description: **(MM. 50)**

Water is very important for all living things. We need clean water for drinking, cooking, bathing, washing, and farming. But many people in the world do not get enough clean water. Sometimes water is wasted carelessly at home, in schools, and in parks. The United Nations created United Nations Sustainable Development Goal 6 to ensure clean water and sanitation for everyone.

Problem statement:

Many children leave taps running while brushing teeth or washing hands. This wastes a lot of water every day. If water keeps getting wasted, there may not be enough clean water for future generations.

Research question:

How can students help save water at home and in school?

Rohan noticed that the water tap near his school playground was leaking all day. Many students ignored it. During EVS class, the teacher explained that a dripping tap can waste many litres of water every day. Rohan and his friends decided to act. They informed the school staff, made posters about saving water, and reminded students to close taps properly. After one month, the school noticed less water wastage and students became more careful.

ACTIVITIES AT HOME THAT USE WATER



COOKING



BRUSHING



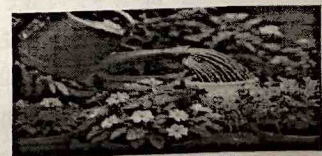
BATHING



WASHING CLOTHES



CLEANING THE FLOOR



WATERING PLANTS

NOTE: You can make a separate thin copy for holiday homework or make a A4 size file.

TASK 1

Observe and record.

Observe carefully and maintain the record.

(15 marks)

For 3 days, observe water use at home.

Activity	Is Water Wasted? (Yes/No)	How Can It Be Saved?
Brushing teeth	_____	_____
Washing hands	_____	_____
Watering plants	_____	_____
Cleaning classroom	_____	_____

TASK 2

Students must find that:

(15 marks)

- How is often Water wasted at home?
- How to save water during bathing?
- What more can be done to save water at home?
- How awareness can be spread among people to save water?
- What will be the future if water is wasted in large amount?

TASK 3 Rainwater Harvesting Model

(20 marks)

AIM: To show how rainwater can be collected and stored for future use.



Materials Required

- Cardboard or shoebox
- Small plastic bottle/container
- Straw or pipe
- Blue chart paper or blue color
- Glue and tape
- Scissors
- Small house model (paper/cardboard)
- Cotton (for clouds)
- Water
- Small stones or sand

Steps to Make the Model

Step 1: Prepare the Base

- Take a cardboard sheet or shoebox as the base.
- Cover it with coloured paper if desired.

Step 2: Make a House

- Create a small house using cardboard.
- Make a sloping roof so water can flow down easily.

Step 3: Attach Pipe or Straw

- Fix a straw or pipe from the roof to a bottle/container.
- This will act like a rainwater pipe.

Step 4: Create Rain Effect

- Use cotton to make clouds.
- Sprinkle water gently from above to show rainfall.

Step 5: Store Water

- Water flowing from the roof will collect in the bottle/container.
- Label it as:

“Rainwater Storage Tank”

Step 6: Show Usage

- Add plants or trees near the model.
- Show that stored water can be used for:
 - Watering plants
 - Cleaning
 - Gardening

Safety Tips

- Use scissors carefully.
- Do not spill water near electric items.

Rubrics for Research-Based Project

Criteria	Excellent (4 Marks)	Good (3 Marks)	Satisfactory (2 Marks)	Needs Improvement (1 Mark)
Research and Information	Information is detailed, accurate, and well-researched	Information is mostly correct with good effort	Basic information is provided	Very little or incorrect information
Understanding of Topic	Clearly explains water conservation and its importance	Shows good understanding of the topic	Shows partial understanding	Unable to explain the concept properly
Creativity	Project/model is highly creative and attractive	Shows creativity and neat work	Simple creativity shown	Very little creativity
Working Model Functioning	Model works properly and demonstrates the concept clearly	Model works with minor issues	Model is partially working	Model does not explain the concept properly
Neatness and Organization	Work is very neat, organized, and properly labelled	Mostly neat and organized	Some parts are untidy	Work is unclear and untidy
Problem Solving and Ideas	Gives thoughtful and practical water-saving ideas	Gives good suggestions	Gives few ideas	Unable to suggest useful ideas
Participation and Effort	Completed all tasks sincerely and independently	Completed most tasks with effort	Completed some parts only	Very little participation

Marks

41–50

31–40

21–30

11–20

Below 10

Grade

A+ Outstanding

A Excellent

B Very Good

C Good

D Needs Improvement

INTEGRATED

Title

“Every Drop Counts: Saving Water for the Future”

Introduction

Water is one of the most important natural resources on Earth. Humans, animals, and plants all need water to survive. However, clean water is becoming less available because people waste and pollute it. Many people leave taps running, wastewater while washing, and pollute rivers and lakes. If we do not protect water today, future generations may face serious water shortages.

Case Study Scenario

Alex is a Class 4 student who lives in a city where there is less water during summer. She notices that many people in her neighbourhood wastewater by washing cars with hoses, leaving taps open, and throwing garbage into nearby water bodies. One day, her school organizes a campaign called “Save Water, Save Life.” Riya decides to spread awareness among her family and friends.

She starts taking small steps such as:

- Turning off taps while brushing teeth
- Using a bucket instead of a shower
- Reusing water for plants
- Fixing leaking taps at home
- Encouraging others to avoid water pollution

After a few months, people in her neighbourhood start using water carefully and understand that everyone should save water.

1. Research Question

- **Why should we protect water for future generations?**

Write your answer in 60-80 words in your scrap file.

Vocabulary Activity

Write the meanings of these words and make one sentence for each in your scrap file.

Word	Meaning	Sentence
Word	Meaning	Sentence
Conservation	_____	_____
Pollution	_____	_____
Scarcity	_____	_____
Environment	_____	_____
Awareness	_____	_____

Creative Writing

1. Paragraph Writing

“How I Can Save Water Every Day” in your scrap file

Write a paragraph in 100-120 words on the topic:

2. “How I Can Save Water Every Day” make a presentation on PowerPoint.

Use clear grammar, good vocabulary, and neat presentation.

Note: Prepare your presentation to showcase in classroom.

Recommended AI apps for English holiday homework:

1. ChatGPT – ideas, essays, summaries, grammar help
2. Grammarly – grammar and spelling correction
3. QuillBot – paraphrasing and summarising
4. Google Gemini – research and content ideas
5. Perplexity AI – fact-based research with sources
6. Duolingo – vocabulary and spoken English practice

Note- Students are requested to record short audio/video clips while completing their holiday homework. The recordings should show their learning process, participation,

explanation of work, and creativity. These clips can be shared along with the final submission.

Assessment Rubrics

Criteria	Marks	Description
Understanding of case study	10	Correct understanding of the topic
Analytical thinking	10	Clear and thoughtful ideas
Writing skill	10	Good grammar and sentence formation
Vocabulary and language use	10	Correct use of words
Presentation	10	Neat and creative work

Total: 50 Marks

HINDI

Description:

(MM. 50)
नमस्ते नन्हे वैज्ञानिकों! आपकी गर्मियों की छुट्टियों के लिए यहाँ एक बहुत ही महत्वपूर्ण और शोध-आधारित (Research-based) प्रोजेक्ट दिया गया है। यह प्रोजेक्ट संयुक्त राष्ट्र के सतत विकास लक्ष्य 6 (SDG 6: स्वच्छ जल और स्वच्छता) पर आधारित है। इसे अपनी स्कैपबुक में व्यवस्थित और सुंदर तरीके से पूरा करें।

● **विषय: "स्वच्छ जल और स्वच्छता: हमारा संकल्प"**

■ **1. शोध और अवलोकन (Observe and Record)**

अगले 3 दिनों तक अपने घर और आस-पास पानी के उपयोग को ध्यान से देखें और नीचे दी गई तालिका (Table) को अपनी स्कैपबुक में भरें:

गतिविधि (Activity)	क्या पानी बर्बाद हुआ? (हाँ/नहीं)	इसे कैसे बचाया जा सकता है?
दांत साफ करना (Brushing)		नल बंद करके मग का प्रयोग करें।
हाथ धोना (Washing hands)		साबुन लगाते समय नल बंद रखें।
पौधों को पानी देना		पाइप की जगह बाल्टी या फव्वारे का प्रयोग करें।
सफाई करना		गीले कपड़े (पोछा) का उपयोग करें।

☺ **2. रोहन की कहानी से सीख (Learning from the Story)**

रोहन ने अपने स्कूल में टपकते हुए नल को ठीक करवाकर पानी बचाया। आप अपने घर या स्कूल में पानी बचाने के लिए क्या करेंगे? कोई 3 उपाय हिंदी में लिखें:

- 1.
- 2.
- 3.

☺ **3. जागरूकता अभियान (Awareness Poster)**

एक प्रभावशाली पोस्टर बनाएँ जो लोगों को "स्वच्छ जल और स्वच्छता" के प्रति जागरूक करे।

- चित्र: साफ़ पानी की बूंद और एक खुशहाल पृथ्वी।

- मुख्य नारा (Slogan): "जल ही जीवन है, इसकी रक्षा हमारा कर्तव्य है!"

4. जल: जीवन का अमृत
दिए गए विषय पर चित्र सहित 40 -50 शब्दों में अनुच्छेद लिखिए।

* विशेष संदेश:

प्यारे बच्चों, याद रखें कि पानी की हर बूंद में जीवन है। यदि हम आज पानी बचाएंगे, तो ही हमारा भविष्य सुरक्षित रहेगा।

शुभ छुट्टियाँ और सुखद शोध!

शीट / रुब्रिक्स मापदंड

मूल्यांकन	अंक	विवरण (Description)
केस स्टडी की समझ	10	तथ्यों, कारणों और प्रभावों की सही पहचान
विश्लेषणात्मक सोच	10	तार्किक (logical) और विचारशील प्रतिक्रियाएं
लेखन कौशल	10	व्याकरण (grammar), स्पष्टता (clarity), और वाक्य संरचना
शब्दावली और भाषा का उपयोग	10	शब्दों का उचित और सटीक उपयोग
प्रस्तुतीकरण	10	साफ-सफाई (neatness), संगठन, और रचनात्मकता

कुल अंक: 50 Mar

All the work to be done in scrap file-2

MATHS

Task 1: "Math Property House"

(10)

Activity:

Create a colourful house model where each room explains one property.

Each room should contain:

- Definition
- Example
- Picture/drawing
- Real-life situation

Note: AI Integration: Student can take help of any AI tool to make the project more effective.

(10)

Task 2: Family Budget Challenge

Real-Life Mathematics

Ask your parents about:

Electricity bill

Grocery expense

Milk expense and some more

Students Should:

Add total monthly expenses.

Find difference between two expenses.

Working on a A3 sheet or chart paper

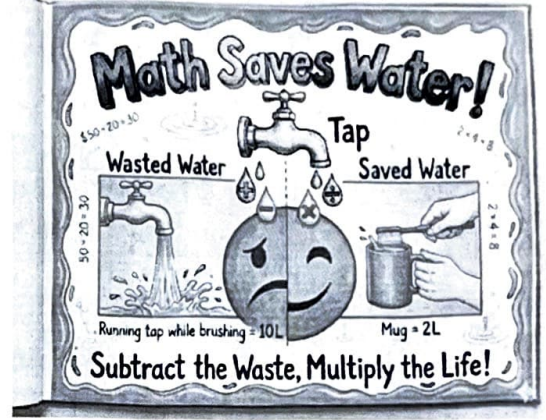
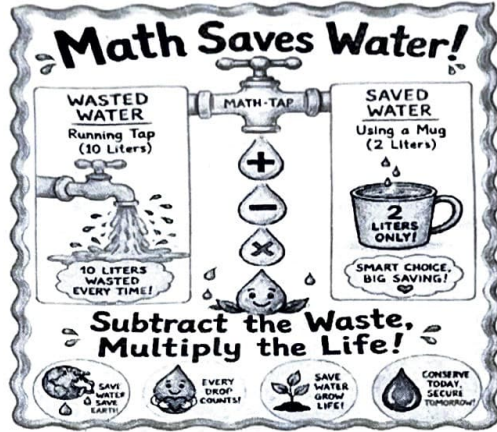
Task 3: The Poster Idea

(10)

Create a colourful poster on an A4 sheet or in your scrapbook.

Poster Title: "Math Saves Water!" Visual Elements:

- Draw a "Math Tap": Draw a tap where water drops are shaped like numbers.
- The Comparison: On the left side, draw a "Wasted Water" scene (Running tap = 10L). On the right side, draw a "Saved Water" scene (Mug = 2L).
- Slogan: Write in bold: "Subtract the Waste, Multiply the Life!"
- Border: Use blue wavy lines to represent water.



Task 4: Mental math book

(20)

Do WS-3,4,5,31,32,7,8,9,10,11 in mental math book.

PROJECT SUBMISSION GUIDELINES

- ✓ Use neat handwriting
- ✓ Decorate your work creatively
- ✓ Use colours and drawings
- ✓ Submit in a scrapbook
- ✓ Mention your name, class, and section on the cover page

SANSKRIT

संस्कृत अवकाश गृहकार्य, प्रथम पुरुष (वह / वे) पर आधारित प्रोजेक्ट

(MM. 50)

प्रोजेक्ट 1: प्रथम पुरुष वाक्य लेखन,

कार्य:

10 चित्र बनाइए या चिपकाइए (जैसे बालक, बालिका, शिक्षक, पशु, पक्षी आदि)।
प्रत्येक चित्र के नीचे प्रथम पुरुष में संस्कृत वाक्य लिखिए।

उदाहरण:

- सः पठति। — वह पढ़ता है।
- सा नृत्यति। — वह नृत्य करती है।
- ते खेलन्ति। — वे खेलते हैं।
- ताः गायन्ति। — वे गाती हैं।

अभ्यास के लिए:

किसी भी 8 चित्रों पर वाक्य लिखिए।

प्रोजेक्ट 2: मम परिवार: (मेरा परिवार)

कार्य: अपने परिवार के सदस्यों के चित्र बनाइए या चिपकाइए।

प्रत्येक सदस्य के बारे में प्रथम पुरुष में 1-1 संस्कृत वाक्य लिखिए।

उदाहरण:

- सः मम पिता अस्ति। — वह मेरे पिता हैं।
- सा मम माता अस्ति। — वह मेरी माता हैं।
- सः मम भ्राता अस्ति। — वह मेरा भाई है।
- सा मम भगिनी अस्ति। — वह मेरी बहन है।
- ते मम मित्राणि सन्ति। — वे मेरे मित्र हैं।

प्रत्येक गतिविधि करते समय अपनी तस्वीर या फोटो लें और उसे प्रोजेक्ट/फाइल में चिपकाएँ।

अपना हॉलिडे होमवर्क पूरा करते समय आप जानकारी, विचार, तथ्य और चित्र एकत्र करने के लिए Google Gemini और Perplexity AI जैसे AI रिसर्च टूल्स का उपयोग कर सकते हैं।

मापदंड	अंक
विषय की समझ एवं अध्ययन	/10
रचनात्मकता एवं प्रस्तुति	/10
संस्कृत भाषा का प्रयोग	/10
संगठन एवं क्रमबद्धता	/10
प्रयास एवं पूर्णता	/10
कुल	50

Do All work on A4 Size sheets

FRENCH

Number Hunt Activity-

(MM. 50)

Look around your house, find some objects, draw and write their names & numbers in French....

E.g.- Clock-12----- In French- Horloge- Douze

Chairs at home-10----In French- Chaises à la maison- Dix

All the work to be done on an A-4/A-3 Sheet.

Assessment Rubrics -

Complete work	10 marks
Neat handwriting	10 marks
Timely submission	10 marks
Correct French vocabulary	10 marks
Proper content	10 marks

NOTE: AI App Recommendations for All Subjects:

- Copilot: Useful for language tasks, creative brainstorming, and writing support.
- Gemini: Ideal for a range of subjects, offering helpful insights and learning guidance.
- Microsoft Math Solver: Perfect for solving math problems and equations.
- Photomath: Helps students by scanning handwritten math problems for step-by-step solutions.
- Grammarly: Useful for proofreading English assignments and improving writing skills.
- Brainly: A community-based app where students can get help on a variety of subjects.

These apps are primarily for guiding students.

Emphasizing Research & Practical Work: Wherever students are doing research or practical activities in their holiday homework, they should record their process (audio or video) to document their learning journey.

Jyotsna 2/10/26
(Dr. JYOTSNA SHARMA)

PRINCIPAL