

HOLIDAYS HOMEWORK (2024-25)



Summer Holidays are a time that provides opportunities to students to relax, rejuvenate, learn new skills, and inculcate family values amongst them. The vacay brings along hours of happiness, days of fun and ample scope to indulge in and explore life skills such as cooking, cleaning, managing money and organizing time. To facilitate optimum utilization of children's time and facilitate research-based learning, holidays homework has been crafted by experienced minds of the school faculty. This homework is trans-disciplinary in nature and aims to ensure that students are able to learn at self-pace and gain insights amongst them about various aspects of the theme, as given below:



The Viksit Bharat programme was launched by the Prime Minister in December last year. It aims to give a platform to the youth to “contribute thoughts to the vision of Viksit Bharat @2047 — the idea of a developed India by 2047, the 100th year of Independence”.

Holidays allow children to have quality family time, which is equally important for their growth and development, as is learning in school. Under the Parent-Teacher Partnership programme run by DAV Centenary Public School, here are some guidelines for the parents, keeping in view the interest of students.

**PROPOSED TIPS FOR PARENTS:**



- Eat meals with children.
- Involve children in cooking food.

- Indulge in Digital Detoxing. Parents and children both to use gadgets to minimal extent.
- Visit grandparents' house and allow them to spend time together.
- Take them to your workplace, if possible, let them realize how hard you work to earn for the family.
- Visit local markets.
- Allow children to visit parks, play outdoor games in evening time.
- Read story books/novels with them, play folk songs, indulge in newspaper, magazines and comic reading with them.
- Avoid junk food and feed them the healthier and tastier delicacies.
- Let them help you in household chores.
- Meditate together. Thank Almighty for giving you such amazing children.

### **GUIDELINES FOR STUDENTS:**

Dear Students, Please find below important guidelines for doing your holidays homework:

- All tasks of holidays homework (except for 3D models, if any), to be done on A4 size sheets.
- Please follow the colour scheme for subjects. Use the sheets of given colour for doing different subjects' homework:
  - English – PINK
  - Hindi – BLUE
  - Mathematics – PURPLE
  - Science – GREEN
  - Social Science – YELLOW
  - Sanskrit & Moral Education – ORANGE
  - Ai/Computers/Art - WHITE
- All subjects' Holidays Homework to be compiled in ONE RING BINDER FILE. (after checking of sheets done by subject teachers).
- File should be covered properly and should have the information given below on the cover:  
Name of the student, Class & Section, Roll Number, HOLIDAYS HOMEWORK, Session: 2024-25
- The first sheet of the file should have following information:  
Name of the student, Class & Section, TRANS-DISCIPLINARY PROJECT:  
THEME – VIKSIT BHARAT
- Second Sheet should include Index. Index to have following columns;  
S.No., Name of Subject, Particulars, Page Number, Teacher's Signature & Remarks
- In the end, the students must mention Bibliography, including the sources from where information was gathered.
- Last sheet of holidays homework should be REFLECTION SHEET. The format of Reflection Sheet is given as under:

SELF-REFLECTION SHEET			
	YES	NO	PARTIALLY
Did I enjoy in summer holidays?			
Did I spend time with family?			
Did I learn something new while doing the holidays homework?			
Was the homework interesting?			

The best part of holidays homework (trans-disciplinary project) was -

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.....

This is what I learned after doing the holidays homework (trans-disciplinary project):

- 1.....
- 2.....
- 3.....
- 4.....

**Note:** Students will submit sheets of Holidays Homework to subject teachers, in separate files / folders.

**Compilation of all subject sheets into one RING BINDER FILE will be done by students, after homework is checked by teachers and returned to them.**

### **ENGLISH**

**Theme: Save Environment Save Tomorrow**

- Reflection sheet:  
Go for a nature walk with your family to any park/nursery/garden and prepare a reflection sheet expressing your feelings on the need to save the environment. Decorate the reflection sheet beautifully.
- Placard Making:  
Your school is organizing a Tree Plantation Drive. Prepare a placard with a thought provoking slogan written on it.
- 10 pages of handwriting practice on A4 size sheets.

## **MATHEMATICS**

TOPIC: SAVE ENVIRONMENT, SAVE FUTURE

**'Environment isn't asking us to conserve HER for HER**

**But for our FUTURE GENERATION'**

To heal ourselves, to restore earth to life, to create a situation in which freedom can flourish, we must work together in groups. So let's join together to save OUR ENVIRONMENT AND RESTORE OUR EARTH

Task 1: Make any board game using mathematical concepts relating the theme 'Save Environment Save Earth'. An example of the board game is shared.

**Watch the game of SNAKES AND LADDERS through the given link**

<https://youtu.be/VvBttHhP1Rg>

**Prepare board game**

**"RESTORING OUR EARTH"**

Task 2: As we are celebrating environment day on 5<sup>th</sup> June 2024 use your creativity to make a beautiful collage on A3 size sheet and cardboard of geometrical shapes highlighting do's and don'ts for saving the environment and hereby saving earth.

## **SCIENCE**

TOPIC: SAVE ENVIRONMENT, SAVE FUTURE

**'Environment isn't asking us to conserve HER for HER**

**But for our FUTURE GENERATION'**

**World Environment Day is celebrated every year on 5<sup>th</sup> June to raise awareness about the importance of preserving and enhancing our environment.**

The theme for World Environment Day 2024 is **'The Journey to a Greener Future'** focusing on the collective effort required to protect our planet and ensure a sustainable future for all.

Let's encourage **Eco Friendly Practices by the following the 3 R's- Reduce, Reuse and Recycle.**

Make a newsletter on 3 R's by following the given steps:

- (i) Make your own recycled paper for the cover page by following a video on the given link:  
<https://youtu.be/sHbk9UAAXGE>
- (ii) Attach 4-5 handmade coloured recycled papers to create your Newsletter.
- (iii) The Newsletter should include the following:
  - a) Cover Page on World Environment Day and its importance
  - b) A catchy quote/slogan on 3 R's.
  - c) Self-composed poem/story on 'Save Environment.'
  - d) **How I recycled the paper**: Click your pictures while recycling the paper (stepwise) and paste them.

## SOCIAL SCIENCE

### Task 1

SDG-14: Life Below Water	SDG-15: Life on Land.	SDG-13: CLIMATE Action
WILL WATER BODIES SOON BECOME PLASTIC BODIES? (roll no. 1-18)	ELEVENTH HOUR FOR SUSTAINABLE DEVELOPMENT. (roll no. 19-36)	WHAT ARE THE REASONS BEHIND THE DRASTIC CHANGES IN THE SEASONS? (roll no. 37 and above)
Based on the current situation of the degradation of water bodies across the world, research about which all water animals have been extinct or are on the verge of extinction. Based on your research, make a <b><u>FLIPBOOK</u></b> . Also mention any five ways in which we can save our aquatic animals. Ex: carnivorous loggerheads (plastic bags eaten, because that mistake it for a jellyfish.)	In the name of sustainable development, we have been sustaining to live a leisure life forgetting about the balance that must be maintained with ecology. Research about the organization that worked with the Chhattisgarh govt. In cutting down the Hasdeo forest. Showcase your research work in a <b><u>SCRAPBOOK</u></b> also, mention the measures (any 5) that shall be adopted to conserve the environment and wildlife.	Research about the Indian climate for the last decade and how it has affected India by shortening the period of Winter season to 1-2 months. Also, provide 5 methods that will be adopted by you to restore the climate steadily. Provide your research work on an <b>ALBUM</b> .

### Task 2

Make an ECO SAVIOR badge related to Sustainable development goals. (Indicating preserving environment or any other natural resource)

### Hindi



क)

- पृष्ठ एक- उत्पत्ति, अर्थ एवं परिभाषा
- पृष्ठ दो- जीवन की उपयोगिता
- पृष्ठ तीन- मनुष्य के लाभ
- पृष्ठ चार- भविष्य का भय
- पृष्ठ पाँच- आने वाले कल का महत्व
- पृष्ठ छः- नागरिक कर्तव्य व सुझाव
- पृष्ठ सात- पर्यावरण संबंधित कानून
- पृष्ठ आठ- निष्कर्ष

ख) गतिविधि :

- कागज़ की पृथ्वी का 3डी मॉडल बनाकर 'लक्षद्वीप: भारत का पर्यटक स्थल' विषय से संबंधित स्वरचित संदेश या नारे लिख कर उस पर दर्शाइए। (कोई दो)

ग) रचनात्मक लेखन :

- अनौपचारिक पत्र - "पर्यावरण आने वाली पीढ़ी के लिए बचाना बहुत जरूरी है।" इस संदेश के महत्व को बताते हुए अपने प्रिय मित्र को पत्र लिखिए।

निर्देश बिंदु :

- सभी विद्यार्थी परियोजना कार्य सुंदर व आकर्षक लेख सहित करेंगे।
- विद्यार्थी अपने परियोजना कार्य में विषय संबंधित चित्र भी दर्शाएंगे।
- गतिविधि निर्माण हेतु विद्यार्थी पुराने अखबारों का प्रयोग कर सकते हैं।
- पत्र में विद्यार्थी स्पष्ट व सश्रेय भाषा का प्रयोग करेंगे।

## Sanskrit

विषय: - विकसित भारतम् ( स्लोगन – लेखनम् )

मुख-पृष्ठ: - पर्यावरणं रक्ष / भविष्यं रक्ष

पर्यावरणस्य नाशकानि तत्त्वानि (चित्राणि नामसहितं स्थापयन्तु)

उदाहरणम्- bottle, कूपी, प्लास्टिक वस्तु इत्यादयः ।

निर्देशाः -

- कार्ये सुन्दरता - मौलिकता भवेत् ।
- परियोजना- सम्बन्धित चित्राणि अपि दर्शयन्तु ।
- लेखन - कार्यम् स्वच्छं , सुन्दरं , शुद्धं च भवेत् ।
- प्रदत्त – कार्यप्रपत्रम् कुर्वन्तु , संस्कृतस्य पञ्जिकायां च स्थापयन्तु ।

## Art

1. Complete Step by Step book from page no. 1 to 15.
2. Make figures of two musicians on a cardboard, newspaper, etc. Use only acrylic colours to paint the figure. Size should be 10" X 12".

# ARTIFICIAL INTELLIGENCE

## Title: "AI Explorer: Discovering the Wonders of Artificial Intelligence"

### Objective:

- Introduce students to the concept of Artificial Intelligence (AI) in a fun and engaging way.
- Encourage critical thinking and creativity in exploring AI technologies.
- Foster interest in STEM (Science, Technology, Engineering, and Mathematics) fields.

### Activity Instructions:

1. Introduction to AI:
  - Begin by explaining what AI is in simple terms. Use examples from everyday life, such as virtual assistants (like Siri or Alexa), recommendation systems (like Netflix suggestions), and self-driving cars.
  - Discuss the basic idea that AI involves machines learning from data and making decisions or predictions based on that learning.
2. AI Scavenger Hunt:
  - Create a list of AI-related objects, concepts, or technologies for students to find or research over the summer. Examples could include:
    - A picture or description of a robot
    - A news article about AI in healthcare
    - A video demonstrating how AI is used in gaming
    - A list of popular AI applications or tools
    - An interview with someone working in the field of AI
  - Encourage students to be creative in their findings and to think beyond the obvious examples.
3. AI Project:
  - Have students choose one aspect of AI that interests them the most and create a project around it. This could be:
    - **(For Class V students)** Creating a poster or presentation about the history of AI and its future implications.

Remember to provide support and encouragement throughout the summer, and emphasize that the goal is to have fun while learning about the exciting world of Artificial Intelligence!