



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 -

.....

.....

.....

.....

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:Our heritage Our Pride

- Diary Entry:
You have explored the heritage monuments of Delhi in the summer break. Write a diary entry expressing your feelings after visiting those places.
- Brochure Making:
Make a Brochure on some heritage sites of Delhi with all the necessary details.

MATHEMATICS

VIKSIT BHARAT: OUR HERITAGE OUR PRIDE

Task 1: India is the land of rich cultural heritage. Conduct a survey of 50 people asking them the monuments visited by them and represent the data collected in the form of table as follows:

State	Monument	Tally Marks	Number of people
Delhi	Red Fort		
	Qutub Minar		
	Humayun's Tomb		
	Lotus Temple		
Punjab	Golden Temple		
Rajasthan	Hawa Mahal		
Uttar Pradesh	Taj Mahal		
Telangana	Char Minar		
Odisha	Konark Sun Temple		
Gujrat	Statue of Unity		

Paste relevant colourful pictures and also make a bar graph for the above data.

Task 2: Taj Mahal is the most visited ticketed monument of India. The following table shows the number of domestic visitors to Taj Mahal from the year 2018 to 2023.

Year	Number of domestic visitors to Taj Mahal (in millions)
2018	5.9
2019	4.8
2020	1.1
2021	3.29
2022	3.3
2023	4.5

Based on the above data, answer the following questions:

i) Due to Covid, Taj Mahal was closed for a long time due to which there was a major decrease in the visitors of Taj Mahal. Calculate the percentage decrease in the number of domestic visitors to Taj Mahal in the year 2020 to the year 2019.

ii) The ticket price for Taj Mahal for domestic visitors is ₹50. Calculate the revenue collected by the sale of tickets to domestic tourists in the year 2022 and 2023. Also find the percentage increase/decrease.

Task 3: Working in groups of 4 students, explore the mathematics used in the architecture of any one of the following monuments of India and make a model using eco-friendly material. Also describe it with the help of a video/PPT/ Write up.

Konark Sun Temple, Qutub Minar, Jantar Mantar, Lotus Temple, Ayodhya Ram Temple, New Parliament building.

SCIENCE

TOPIC: OUR HERITAGE, OUR PRIDE

'One's heritage and roots is something to be proud of and cherished!'

India is one of the most beautiful countries in the world and is best known for its colourful culture and fascinating heritage. Its grand monuments, like the Taj Mahal act as strong pillars of the rich and deep history that India possesses. From their splendid architecture to a strong legacy, the historical monuments of India speak volumes.

Make your science project on '**Threat to the Seventh Wonder of World: Taj Mahal**':

- (i) Create **Diorama** - Let's wear our creative hats and make a Diorama (miniature scene in which figure, stuffed animals, birds, trees, humans or any other such objects related to topic are arranged against a painted background)
Materials required: Shoe box or a small carton, Cotton, small toys, figures or any other desired material of your choice, Cut outs of coloured pastel sheets related to your scene based on the theme '**Our Heritage, Our Pride**'.
Note: Cover it with cellophane sheet to maintain its tidiness
- (ii) Prepare a **science magazine** including the following points
 - a) Cover page with the topic-'**Threat to the Seventh Wonder of the World**'
 - b) Type of material used to build the Taj Mahal.
 - c) Effects of Acid Rain/Pollutants responsible for deterioration/discolouration of the monument.
 - d) Steps taken by the Government to preserve the structure of the Taj Mahal.
 - e) Reflections: What I learnt from the project?
 - f) Bibliography

SOCIAL SCIENCE

Task 1

A Walk to Talk

1. Visit a local museum or heritage site and write a detailed report highlighting the historical significance and architectural features.
2. Draft a budget plan for organizing a heritage tour, considering expenses like venue, food, transportation, ticket fee, miscellaneous, etc. for your family.

Task 2:

Make a 3D model of the monument thereby showing our rich built heritage. The monuments have been allotted according the roll numbers-

R.no. 1-10 - Taj Mahal
R.no. 11-20 - Sanchi Stupa
R.no. 21-30 - Humayun's Tomb
R.no. 31-40 - Buland Darwaza
R.no. 41 onwards - South/North Indian Temple

Hindi



विषय - विकसित भारत

शीर्षक - हमारी विरासत , हमारा गौरव

- पृष्ठ एक - अर्थ
- पृष्ठ दो - लक्ष्य
- पृष्ठ तीन - समामेलन प्रक्रिया (AMALGAMATION) द्वारा चित्र, कागज़ की कलाकृति, मॉडल (कोई एक) और विविध आयाम
- पृष्ठ चार - लाभ, महत्व
- पृष्ठ पाँच - युवा पीढ़ी के लिए प्रेरणा व संकल्प

रचनात्मक लेखन :

- संदेश लेखन - अपनी विरासत का महत्व बताते हुए अपने छोटे भाई को संदेश लिखिए ।
- अनुच्छेद लेखन - हमारी विरासत ,हमारी शान

सामान्य निर्देश :

1. कार्य रचनात्मक और मौलिक होना चाहिए ।
2. सुंदर ,आकर्षक तथा शोध प्रक्रिया के आधार पर संपन्न होना चाहिए ।

Sanskrit

- विषयः - विकसितं भारतम्
मुख-पृष्ठः - अस्माकं परम्परा / विरासतः अस्माकं गौरवम्
पृष्ठः प्रथमः - मानचित्रं (दिल्ली नगरस्य)
पृष्ठः द्वितीयः - स्मारकानां चित्राणि निर्माय यथा – रक्तदुर्गम् / पद्मम् देवालयः (लोटस टेम्पल) / ध्रुव स्तम्भः (कुतुब मीनार) अपि च लक्षद्वीपस्थित-
स्मारकानां चित्राणि स्थापयन्तु ।
पृष्ठः तृतीयः - स्मारकाः केन निर्मितम् / कदा च निर्मितम् ? एकाम्-एकां पंक्तिं लिखन्तु ।

निर्देशाः -

- प्रत्येक - पृष्ठे एकं चित्रं भवेत् ।
- कार्ये सुन्दरता- मौलिकता भवेत् ।
- परियोजना- सम्बन्धित चित्राणि अपि दर्शयन्तु ।
- लेखन - कार्यम् स्वच्छं, सुन्दरं, शुद्धं च भवेत् ।
- प्रदत्त - कार्यप्रपत्राणि कुर्वन्तु, संस्कृतस्य पञ्जिकायां च स्थापयन्तु ।

Art

1. Complete Step by Step book from page no. 1 to 15.
2. Make a wall hanging with newspaper coil of any shape (circle/ square). Size should be 14" X 14" or 16" X 16". Use acrylic colours only.

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 VII students) Building a basic AI model using scratch coding or simple programming languages in Microsoft minecraft arcade mode.

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!