

DAV PUBLIC SCHOOL, PUSHPANJALI ENCLAVE

Class VIII Holiday Homework 2026-27

ENGLISH

This project on the theme “Future World” is being conducted by DAV in collaboration with Kaushal Bodh for class VIII, integrating concepts from the prescribed reader’s unit related to the future and technological advancement. The initiative aims to foster critical thinking, creativity, and awareness among students regarding the impact of emerging trends on society and lifestyle.

The project is structured into two segments to ensure a balanced blend of research, creativity, and expression.

The first segment (Roll No. 1–25) will explore the applications of Artificial Intelligence (AI) in various fields such as navigation, translation, education, and other real-life domains. Students will demonstrate their understanding through posters or models, creatively depicting how AI-driven features may shape the future. This activity will encourage students to analyse technological growth and its practical implications.

The second segment (Roll No. 26 onwards) will focus on a comparative and interactive theme titled “Bookflix vs Netflix.” Students will engage in a debate highlighting the relevance of traditional reading versus digital entertainment.

* The Bookflix group will design cover pages of their favourite novels and present the significance and essence of physical reading.

* The Netflix group will prepare collages or models (such as a laptop display) representing digital platforms, discussing the growing influence of e-books, online series, and screen-based content.

Through this collaborative project, students will enhance their analytical, communicative, and creative skills, while gaining insights into the evolving relationship between technology, media, and human habits in the future world.

HINDI

Roll no 1 to 15 - हिंदी साहित्य के प्रसिद्ध कवि एवं कवयित्री सुभद्रा कुमारी चौहान, हरिवंश राय बच्चन और मैथिलीशरण गुप्त द्वारा रचित दो - दो कविताओं की पत्रिका बनाए।

Roll no 16 to 25-ब्रोशर निर्माण -(पेड़ बचाओ, जीवन बचाओ)

Roll no 26 to 36 छात्र एक ऐसा चार्ट बनाएँगे जिसमें महिला किसान द्वारा किए गए योगदान को दर्शाया गया हो ।

Roll no 36 to last roll no 'महिला एक, कार्य अनेक' : विषय से संबंधित एक रिपोर्ट तैयार कीजिए (A 4 शीट पर)

अभी तक कराए गए समस्त कार्य याद कीजिए।

MATHS

1. Do worksheets of Ch1 , Ch 2 and a computation thinking worksheet in your maths register.

<https://drive.google.com/drive/folders/1SNRxVjJxhWNYp3lPbLFbQ5QaTh9Zlb0I>

2. Exhibition work– Vidya ka Safar (NEP 2020) □

Mathematics is a journey where ideas turn into real-life understanding. In this Vidya ka Safar, you will explore mathematical words, shapes, and puzzles through creative activities.

This homework will help you think logically, connect concepts, and enjoy learning mathematics in a fun and meaningful way.

Roll number 1- 10

Create a vibrant pictorial dictionary featuring at least 15 mathematical terms, each illustrated creatively within a neat 10 cm × 8 cm frame. Use colors, symbols, and real-life examples to make concepts visually appealing.

Roll number 11 - 20

Puzzles on visualising solid shape

Create 5 puzzle pieces to match each 2D shape and 3D shape with its correct real-life object. Join the puzzle pieces to complete the set.



Roll number 21- 30

Create a fascinating **optical illusion drawing** that challenges the viewer's eyes and mind. Use patterns, shapes, and shading to create depth or movement. Your artwork should be neat, creative, and visually striking, showing how mathematics and art combine to form amazing illusions that confuse yet attract attention.

<https://youtu.be/YJOnMuXMPZ4?si=8ucvSjl6itnwAO6C>

Roll number 31-40

Rangoli Design

Design a beautiful rangoli on an A3 sheet using various geometrical shapes like circles, triangles, and squares. Colour it neatly and creatively to enhance its visual appeal. Calculate the area of at least four shapes used. Present your work clearly, showing both artistic creativity and mathematical understanding.

Roll number 41-50

Create an engaging **mathematical model** based on any Class 8 concept and turn your ideas into a creative masterpiece! □ Choose topics like algebraic expressions, linear equations, mensuration, or data handling, and represent them through a neat, well-designed model.

Roll number 51 onwards

Create two A4-sized flash cards with mathematical puzzles combining the ideas of algebraic expression and linear equations.

Can you solve this picture puzzle ?

$$\begin{aligned} \text{Apple} + \text{Apple} + \text{Apple} &= 30 \\ \text{Apple} + \text{Banana} + \text{Banana} &= 18 \\ \text{Banana} - \text{Coconut} &= 2 \\ \text{Coconut} + \text{Apple} + \text{Banana} &= ?? \end{aligned}$$

Math Riddles

SCIENCE

1. Make_a concept map on A-4 size sheet on the topic sources of energy.
2. Revise the Chapter Sources of Energy and Force & Pressure
3. Complete your fair notebook.
4. Collect the information on the following topics to be covered by the respective roll numbers of each. The format in which the work is to be submitted is also mentioned along with the topic and roll no.

S.NO	CLASS 8 th / ROLL NO.	SCIENCE		
		(1-18)	(19-37)	(37 Onwards)
1.	Biology	<p><u>Act Like a Researcher</u> Spread of Antibiotic Resistance in the Community</p> <ul style="list-style-type: none"> Analyze the factors responsible for the spread of Antibiotic Resistance in a community Evaluate the role of individuals, healthcare systems, and the environment in preventing it. Design Story-Based Comic Strips for effective representation. 	<p>Our Scientific Heritage: The Indian Vedas and Microbes</p> <ul style="list-style-type: none"> Compare ancient practices with modern scientific explanations related to microbes. How can we combine traditional knowledge with modern science for better health practices? Make a chart with One side: Ancient practices and Other side: Modern microbial explanation. Simple and visually effective 	<p><u>Be a Scientist</u> Role of Bacteria in Cleaning Oil Spills.</p> <ul style="list-style-type: none"> Understand how bacteria help in cleaning oil spills Introduction to oil spills Real-life example (impact on environment) Role of bacteria Explanation of Bioremediation. Draw a neat and informative Infographic Poster to represent your findings.
2	Chemistry	<p>Solubility of substances The "Disappearing Act" Investigation</p> <ul style="list-style-type: none"> Observe and compare the solubility of various substances in water and investigate how temperature affects the rate and amount of solute that can be dissolved. <p>Materials Required</p> <ul style="list-style-type: none"> Solutes: Salt, sugar, chalk powder, and sand. Solvent: Water (at room temperature and hot water). Record the observation on A4 size sheet. 	<p>Discover and design</p> <ul style="list-style-type: none"> Design and create comic strips from real-life examples to differentiate between elements, compounds, and mixtures with diagrams and illustrate their properties and uses. Search for discoveries of some elements (such as phosphorus, sodium), compounds (such as penicillin) and mixtures (such as brass) 	<p>Activity: The "States of Matter" Detective</p> <ul style="list-style-type: none"> Identify and compare the physical properties of solids, liquids, and gases—specifically focusing on shape, volume, and compressibility. Shape and Volume (The Container Test) The "Squeeze" Test (Compressibility) Record the observation in a table

3	Physics	<p><u>Magnetic & Heating Effects - See the Invisible!</u></p> <ul style="list-style-type: none"> • Make a simple electric circuit with cell, switch, and wire. • Place a compass near the wire to show magnetic effect (needle deflection). • Add thin wire to demonstrate heating effect when current flows. • Explain how electric current produces magnetic field and heat on A4 sheet. 	<p><u>Electromagnet Power—Lift It Up!</u></p> <ul style="list-style-type: none"> • Wind insulated wire around an iron nail and connect to a battery. • Use switch to pick up paper clips (ON/OFF action). • Change number of turns to show variation in strength. • Display as a mini crane lifting objects. 	<p><u>Light Lab—Mirror & Beam Show!</u></p> <ul style="list-style-type: none"> • Use ray box/laser with multiple slits to produce parallel beams. • Show reflection on plane, concave, and convex mirrors. • Demonstrate converging and diverging rays. • Use incense smoke to make rays visible and attractive.
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SST

Topic: Integration of NEP and NCERT in Classroom Learning

A. Renewable Energy

1. Solar Energy House Model (Roll No 1-10)

- Make a small house using cardboard.
- Add a solar panel (black chart paper or foil).
- Show how sunlight → electricity → lights/fan (use small LED if possible).
- You can label parts like *solar panel, inverter, battery*.

2. Windmill (Wind Energy Model) (Roll No 11-20)

- Use a plastic bottle or cardboard for base.
- Make blades using paper or old plastic.
- Attach to a stick with a motor (optional).
- Blow air (fan) to show movement.

3. Hydroelectric Power Plant(Roll No 21-30)

- Use a cardboard base with a dam and water flow.
- Add a rotating wheel (turbine).
- Show how flowing water spins turbine → electricity.

□_You can pour water to demonstrate working.

4. Energy City Model (Roll No 31-40)

- Create a small “city”
- Show:
 - Solar panels on houses

- Windmills outside city
- Coal plant far away
- Compare clean vs polluted areas

B. Democracy in Action

5. Parliament House, New Delhi (Roll No 41-55)

- Use cardboard or foam board to create the outer structure.
- Add:
 - Entrances with pillars
 - Ashoka Chakra on top
 - Pathways and greenery

NOTE:

- Use labels and arrows clearly.
- Add a short explanation card.
- Use working parts if possible (LED, moving fan, etc.).
- Keep it neat and colourful.
- Refer to ch 4 Mineral and Energy Resources.

C. Leaders of the Revolt of 1857

Famous Leaders to Paint (A3 size sheet)

- Rani Lakshmbai (Roll No 1-10)
- Bahadur ShahZafar(RollNo11-20)
- Nana Sahib(Roll No 21-30)
- Tatyā Tope(Roll No 31-40)
- Begum Hazrat Mahal(Roll No 41-50)
- Mangal pandey(Roll No 51-55)

NOTE

- Write 2–3 lines description below your painting.
- Use neat labels and headings.
- Add colour contrast and creativity.
- Keep it simple but informative.

NOTE: All the students should revise ch1,2,8 &16 for upcoming Unit test and complete all the assignments.

SANSKRIT

1.श्लोक वाचनम्

- 5-10 श्लोक कंठस्थ करना
- शुद्ध उच्चारण एवं भाव के साथ वाचन व लेखन 1 से 5 तक (गीता)
- धातुरूप 6 से दस तक क्रीडा बनाए ।

2. शब्दरूप (राम, फल, नदी आदि) क्रीडा बनाना (cards)॥ से २० तक
3. संख्या 1 से 100 तक संस्कृत में संख्याओं का लेखन एवं उच्चारण (लूडो / साँप सीढी)
21 से 30 तक
4. “संगच्छध्वं संवदध्वं” (चार्ट एवं गायन) इस वैदिक मंत्र का अर्थ सहित सुंदर चार्ट समूह
में इसका मधुर गायन (31 से 40
5. महात्मा दयानंद के जीवन पर लघु नाटक 40 से 45 लेखन (पाठ - 4)
46 से 60 (पाठ - 9) लेखन

सुरभि - अपठित गद्यांश 136 से 140

पत्र - 143 से 146

चित्र - 151 से 153

COMPUTER

Make a story / a game / a quiz in Scratch as per your roll number allotted and save it in pen drive in video format and submit to your respective computer teacher as and when informed.

Roll No. 1-10 Fake News Detector Game

- Show news headlines
- Player decides: REAL or FAKE

Roll No. 11-20 Cyber Security (Quiz)-

- Passwords, safe browsing

Roll No. 21-30 Story of a Woman Farmer

- Daily life + challenges + success
- Good for social awareness

Roll No. 31-40 Environment Quiz

- Pollution, recycling, nature

Roll No. 41 onwards Farming & Sustainability Quiz

- Agriculture + environment

ECO

Create a 3D/2D art form from natural fibres (jute/cotton/wool etc)

ART

Theme: VIDYA KA UTSAV

Topics : draw and paint and make one model on the theme.

For drawing and painting :

Saraswati Devi, Rishi Muni, study material or equipment, ink pot with quill etc.(anything related to education)

- size A3 sheet minimum.

For model making:

books Vedas study material or equipment etc.(anything related to education)

Size 1X1 Feet minimum.