

**S.L.SURI D.A.V. PUBLIC SR. SEC. SCHOOL**  
**JANAKPURI, NEW DELHI**

**HOLIDAY HOMEWORK (2026 – 27)**  
**CLASS IX**

**ENGLISH**

CREATIVE WRITING (FUTURISTIC)

Topic:

“If My Teacher Was an AI Robot...”

Word limit: 150–200 words

Include:

Description of the AI teacher

Classroom experience

One problem + one benefit

Bonus: Add humor or imagination!

2: Record a Podcast and upload in the given folder.

Topic:

“The Role of AI in Education Today”

Time: 1 minute

Must include:

One real-life example

One suggestion for students.

Upload in the given folder.

<https://drive.google.com/drive/folders/1TCNcrE6RFwSqE5KSaUfGsf7e7xgu9xi4>

Name the folder as

Name(R.No)

3: Sikkim: Eco-Tourism and Sustainable Living

Project Tasks:

Study how Sikkim became India’s first fully organic state.

Research:

Organic farming

Waste management

Eco-tourism

Biodiversity conservation

Include famous places such as:

Tsomgo Lake

Nathula Pass

Rumtek Monastery

Kaushal Bodh Skills Included:

Problem solving

Environmental awareness

Data collection

Communication skills

Activity:

Interview 5 people with questions like: "Would you prefer eco-tourism over commercial tourism?"

Represent findings using graphs.

4: Revise and prepare all the work covered in class.

Complete all the CRAB Worksheets on assignment sheets and keep in a separate folder for submission.

#### ASSESSMENT RUBRIC

Creativity 5 Marks

Language Accuracy 5 Marks

Presentation 5 Marks

Critical Thinking 5 Marks

Submission Guidelines:

Compile in a decorated file

Include:

Cover page (Name, Class, Section)

Index

Neat presentation

#### HINDI

कार्य 1- अब तक कराए गए सभी कार्यों की मौखिक रूप से पुनरावृत्ति करें।

कार्य 2- पाठ्यपुस्तक गंगा के सभी पाठों का अध्ययन करें।

कार्य 3) A4 आकर के पृष्ठ पर कोई एक चित्र चिपकाकर उस पर आधारित उपयुक्त संवाद अथवा घटनाक्रम बताने वाले वाक्य लिखें।

कार्य 4) दो बैलों की कथा एवं पाठ दो 'क्या लिखूँ' में आए पाँच नवीन शब्दों के अर्थ एवं उनका वाक्य प्रयोग अपनी उत्तर पुस्तिका में लिखें।

कार्य 5) मशहूर लेखक मुंशी प्रेमचंद जी की लाजवाब कहानियों का कोई एक आकर्षित किताब मुख्य पृष्ठ बनाएँ।

कार्य 6) क) स्वच्छ भारत उन्नत भारत विषय पर लगभग 100 शब्दों में अनुच्छेद कार्य करें

ख) निम्नलिखित विषय पत्र लिखें - हॉस्टल में रहने वाले मित्र को फ़िज़ूलखर्ची की आदत पड़ गयी है, उसे इसके दुष्परिणामों के विषय में सचेत करते हुए पत्र लिखें।

कार्य 7) परियोजना कार्य:-

सिक्किम प्रदेश का सौंदर्य एवं अन्य संबंधित जानकारी हेतु एक ब्रोशर बनाए।

## **MATHS**

1. Draw a Square Root Spiral by hand, Also, use AI to understand how irrational numbers create patterns in nature.

- The AI Task: Use an AI image generator (like Gemini or others) with a prompt such as: "Generate a high-resolution Fibonacci spiral or a fractal pattern based on the square root of 2."
- The Math Connection: In your project, paste the AI-generated image next to your hand-drawn spiral. Write a short comparison on how the AI uses the mathematical constant (like square root spiral or the Golden Ratio) to create infinite patterns.
- Learning Goal: See the transition from a simple geometric construction to complex computer-generated art.

2. With the rising cost of fuel and its impact on the environment, understanding the consumption pattern of petrol, Diesel, CNG( Compressed Natural Gas) is crucial. Collect the data regarding weekly fuel usage of your family(of at least 5 weeks) and represent it graphically( Bar graph, Line graph).Also, explore methods to reduce its consumption and present it in a brochure.

### **Practice work**

- Revise chapter 1,4
- Assignments will be shared on the class whatsapp group. Complete all assignments in ruled sheets.

## **SCIENCE**

1. Make a 3 D model of

Human brain Vs Neural Networks

2. Prepare a colourful creative concept map of the topic-Cell:The Building Block of life on A4 sheet .

3. Explore any 5 mixtures at home, identify their type (homogeneous/heterogeneous), and explain suitable separation techniques with reason.

4. Draw a neat, well-labelled schematic diagram of any one separation method on an A3 sheet, showing steps and apparatus clearly.

5. Solve the assignment in the notebook

## **SOCIAL SCIENCE**

Make a ppt on Disaster Risk Reduction, in ppt according to your Class and Roll. No's:

IX A

Roll No. : 1 to 9 - Earthquake and Landslides

Roll No. : 10 to 18 - Floods and droughts

Roll No. : 19 to 27 - Epidemics such as Covid 19, Bird flu etc

Roll No. : 28 to 36 - Cyclones

Roll No. : 37 to 42- Terrorist Attacks

## IX B

Roll No. : 1 to 9 - Heat waves

Roll No. : 10 to 18- Tsunami

Roll No. 19 to 27 - Wars

Roll No. : 28 to 36 - Road, Rail and Air Accidents

Roll No. : 37 to 41- Electrocutation

\*Minimum no. of slides should be 12.

Upload the PPT in the given link as per your section of the class.

<https://drive.google.com/drive/folders/1EpHjISuvP6aBFuCD9x-fTYrVZUIPmHa->

2. Do the worksheets shared in class groups in your respective copies .

## PHYSICAL EDUCATION

1- Body Mass Index (BMI) explain and benefits of calculating this.

2- Five Yogic asanas with photographs and it's benefits.

## ART

Make a poster with a slogan on the topic LOVE ANIMALS.

## IT

1. On a A-3 size sheet draw a diagram on 4 main components: Self-awareness, Self-control, Self-confidence, and Problem-solving of self management.

2. Make a power point presentation on the topic of "Communication Barriers" (7-10 slides) use real life examples

## WORK EX.

Roll no. 1-21

Design a beautiful 3D clay mural wall hanging

Roll no. 22-42

Design a beautiful 3D clay mural on bottle

## MUSIC

Make any one:

- Handmade music-themed bookmark
- Poster on "Importance of Music"
- Collage of Indian musicians

## DANCE

Make a creative poster on dance with dance related quotes.

## **KAUSHAL VIKAS PROJECT**

### Plant Growth Journey Report

1. Grow different plants from a seed or small sapling in a pot at home.
2. Maintain a practical file on the complete growth journey of your plant during the summer vacation.

3. The report should include:

Introduction of the plant  
Preparation before potting  
Potting procedure  
Ideal conditions required for the plant growth  
Care and maintenance of the plant

4. Maintain the following records regularly:

#### A. Daily Watering Record

Include:

Date

Time of watering

Amount of water given

#### B. Daily Plant Growth Record

Include:

Date

Height of plant

Number of leaves

Number of buds/flowers (if any)

Special observations

#### C. Weekly Observation

Write a short note every week about:

Changes observed in the plant

Problems faced

Care taken for healthy growth

5. Paste your photographs while doing the activity, such as:

Soil preparation

Potting process  
Watering the plant  
Weekly plant growth  
Final growth stage  
Decoration of the pot

6. Write a short conclusion about:

What you learned from this activity  
Importance of plants in our life  
Your experience of growing a plant

7. Decorate any of the pot creatively using eco-friendly or waste materials.

8. Submit the project neatly with proper headings, tables, photographs, and date-wise records.

### **COMPUTER SCIENCE**

1. On a A-3 size sheet draw a diagram on 4 main components: Self-awareness, Self-control, Self-confidence, and Problem-solving of self management.

2. Make a power point presentation on the topic -"Communication Barriers" (7-10 slides) using real life examples.