

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

HOLIDAY HOMEWORK (2026 – 27)
CLASS X

Summer vacation is the time for making memories, trying new things, and embracing new experiences that enrich life

ENGLISH

Theme: “Human Creativity Meets Artificial Intelligence”

1: AI vs HUMAN WRITING (Comparative Task)

Choose a topic:

“A Day Without Technology” OR “The Future Classroom”

Write:

One paragraph yourself

One paragraph using any AI tool (ChatGPT, etc.)

Compare both in 100–120 words:

Which is more creative?

Which feels more human?

What differences do you notice?

Attach both versions

2: PODCAST / SPEAKING TASK

Topic: “Is AI a Friend or a Threat to Students?”

Instructions:

Record a 2–3 minute audio/video

Include:

Introduction

2 arguments FOR AI

2 arguments AGAINST AI

Your conclusion

Upload in the given folder.

Name the file as

Name(R.No)

https://drive.google.com/drive/folders/13-8XbtmB_8fHasQA1fjmJFuWe7pGvIMv

3: VISUAL + LANGUAGE TASK

Create a poster / infographic on:

“Dos and Don'ts of Using AI in Studies”

Use charts / drawings / digital tools
Add 5–6 catchy slogans in English.

4. Sikkim: Entrepreneurship, Culture & Sustainable Development

Project Tasks:

Study local industries of Sikkim:

Handicrafts

Tourism

Organic products

Small businesses

Research one successful entrepreneur or cooperative from Sikkim.

Kaushal Bodh Skills Included:

Entrepreneurial thinking

Financial literacy

Leadership

Digital presentation skills

Activity:

Design a business plan for selling:

Organic tea

Handmade crafts

Local food products

Create:

Product name

Branding/logo

Costing

Marketing strategy

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- संचयन के सभी पाठों का अध्ययन करें।

संकेत - कार्य 3 से 6 तक का समस्त कार्य अपनी उत्तर- पुस्तिका (2) में करें।

कार्य 3- अपने नगर के विद्युत प्रदाय संस्थान के महाप्रबंधक को पत्र लिखिए, जिसमें परीक्षा के दिनों में बार-बार बिजली चले जाने के कारण उत्पन्न असुविधा का वर्णन हो।

कार्य 4- विद्यालय में हो रहे 'हिंदी पखवाड़े हेतु विद्यार्थियों से विभिन्न गतिविधियों में भाग लेने हेतु नाम आमंत्रित करते हुए लगभग 50 शब्दों में एक सूचना लिखें।

कार्य 5- दिए गए संकेत बिंदुओं के आधार पर निम्नलिखित विषयों पर लगभग 100 शब्दों में अनुच्छेद लिखिए।

(क) लड़कियों की शिक्षा

संकेत बिंदु - भारतीय समाज में लड़कियों का स्थान

शिक्षा की आवश्यकता और बाधाएँ

सबका सहयोग

(ख) जैसी संगति बैठीए तैसोई फल होए

संकेत बिंदु - संगति का प्रभाव

.कुसंगति की हानि

.सत्संगति का लाभ

.दुर्जन भी सत्संगति में सज्जन

(ग) कृत्रिम बुद्धिमत्ता (AI)

संकेत बिंदु- • तात्पर्य

* लाभ

• चिंता का कारण

• निपटने के उपाय

कार्य 6- निम्नलिखित विषयों में से किसी एक विषय पर लगभग 120 शब्दों में लघुकथा लिखिए।

(क) मन के हारे हार है, मन के जीते जीत

(ख) दुकानदार की दरियादिली ।

ग) बिना विचारे जो करें सो पाछे पछताए ।

कार्य 7- जल संरक्षण / वन संरक्षण विषयों में से किसी एक विषय पर A4 आकार के पृष्ठ पर सुंदर विज्ञापन बनाएँ ।

प्रश्न 8) अनुक्रमांक अनुसार दिए गए वर्ण से आरंभ होने वाले पाँच - पाँच मुहावरे एवं उनका अर्थ A 4 आकार के पृष्ठ पर करें ।

अनुक्रमांक: 1 to 9 -अ एवं ख

अनुक्रमांक. : 10 to 18 - ए एवं ध

अनुक्रमांक: 19 to 27 -द एवं न

अनुक्रमांक: 28 to 36 -प एवं म

अनुक्रमांक. : 37 to 43- ह एवं उ

परियोजना कार्य :-

"सिक्किम की सैर" विषय पर एक विवरण पत्रिका (ब्रोशर) तैयार कीजिए। इस विवरण पत्रिका में आप विज्ञापन , गंतव्य स्थान तक पहुँचने के साधन, मौसम की जानकारी, प्रसिद्ध दर्शनीय स्थल ,अपना साक्षात्कार, वहाँ के प्राकृतिक स्थलों का मनोरम चित्रण , सभ्यता , संस्कृति आदि का संक्षिप्त विवरण दें एवं पत्रिका का शीर्षक भी दीजिए।

MATHS

The Geometry of Parabolas (Art Integration)

- Objective: To visualize quadratic polynomials (Chapter 2).
- Task: Use a piece of plywood or heavy cardboard. Plot the curve of a quadratic equation (e.g., $y = x^2$). Use colorful threads and nails to create "string art" that forms the shape of the parabola.
- Report: Explain where we see this shape in real life (e.g., satellite dishes, paths of a thrown ball, bridge arches).

Use AI tools to make the report and pictures of string art.

2. To create a glass stained painting using a linear equation in two variables, you will use lines in the form $y=mx+c$ to divide the canvas into sections, which you colour like stained glass.

Instructions:

Draw an XY grid on a square canvas. Use at least 8-10 linear equations to create intersecting lines which will divide the plane into various geometrical shapes (triangles, trapezoids, rectangles etc.) Some example are:

$y=x+2$, $y=-2x+4$, $y=3$, $x=-2$, $y=-x-3$

Practice work

- Revise chapter 1,2 ,3,4
- Assignments will be shared on the class whatsapp group. Complete all assignments in ruled sheets.

SCIENCE

PHYSICS

Activity 1: Light & Reflection Model

Prepare a working model showing image formation by concave or convex mirror.

Use simple materials (cardboard, mirror, candle/object).

Demonstrate:

Real vs virtual image

Magnification

Submit with a short explanation (1 page).

Activity 2: Ray Diagram Art Integration

Draw and color any 3 ray diagrams:

Concave mirror (object beyond C)

Convex mirror

Refraction through glass slab

Highlight rays with different colors.

Activity 3: Electricity Audit at Home

Record usage of electrical appliances at home for 3 days.

Calculate:

Power consumption (in kWh)

Estimated electricity cost

Suggest 2 ways to save electricity.

BIOLOGY

1. Nutrition Survey

Survey 5 people (family/neighbours).

Record: Daily diet, Junk food intake

Analyze: Balanced vs unbalanced diet, Suggest improvements on A4 Size colored sheets

2: Human Organ System Model/Chart

Make a labeled diagram on thick cartridge sheet or 3D model. Mention functions of main parts

Roll no 1-10 Digestive system

Roll no 11 -20 Respiratory system

Roll no 21 to 30 – Excretory system

Roll no 31 onwards – Human Heart

3. Any Disease or environment Awareness Poster including cause, symptoms, prevention etc. on an A3-size sheet.

4. Solve the assignment in class notebook.

CHEMISTRY

Do all the work in your classwork copy

Activity 1

Draw a poster on the topic

Ways to reduce carbon footprint

Activity 2

Many daily life items like creams, cooking oils and hair oils, soaps, kitchen ingredients, perfumes, gas used for cooking, fuel used to run vehicles, etc., contain a lot of chemicals in them. Make a beautiful write-up with pictures of 10 items that you use in daily life, which have some chemistry related to them, and tell how they are important to us

Activity 3

Write a report of around 300 words on the harmful effects of garbage accumulation in dumps, along with some pictures

SOCIAL SCIENCE

1. "Kabad sa Jugad" is a sustainable idea. Make one creative item from waste in the house.
2. Prepare a project on **any one** of the following themes:
 - a) Consumer Awareness
 - b) Sustainable development
 - c) Social issues

3. Do the worksheets shared in the class groups in your respective registers.

PHYSICAL EDUCATION

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

2- Five Yogic asanas with photographs and their benefits.

ART

Design a poster with a slogan on the topic " War & Peace " .

WORK EX.

Draw a Patt Chitra or Tanjore art painting on A-3 size sheet of paper and then laminate it.

MUSIC

Make 3D musical instrument model by your own creativity.

DANCE

Make a creative poster on dance with dance-related quotes.

COMPUTER SCIENCE

1. Make a poster on a pastel sheet of the latest cyber threats.
2. Make a two-minute movie on "Ancestral Home/Hometown Connect: Exploring the memories and emotional connection to their ancestral village or hometown..