

Summer Holidays' Homework

Class – VIII

ENGLISH

■ Task 1 — My Holiday Journal

Maintain a 5-day journal during your holidays. Each entry should be 80–100 words and written in first person, past tense.

Each journal entry must include:

- ① What you did that day — describe at least one interesting activity in detail.
- ② How you felt about it and why.
- ③ One thing you learnt or observed that day.

■ Add a small sketch or doodle for each entry to bring it to life!

■ Sample Entry Format

Day 1 — [Date]

Today I visited my grandmother's house in the village for the first time in two years. We cooked together and she taught me how to make her famous lemon pickle. I felt a warm happiness that is hard to describe — a kind of belonging. I learnt that preserving traditions is as important as learning new things.

■ Task 2 — Creative Project: Interview a Local Hero

Find and interview a real person in your community — a farmer, shopkeeper, doctor, craftsman, elderly neighbour, or anyone you admire. Then write about them.

- ① Prepare 10 thoughtful questions before the interview and write them in your notebook.
- ② Conduct the interview and note down the answers carefully.
- ③ Write a 200-word article titled 'Unsung Hero of My Neighbourhood'.
- ④ Include a short introduction about who they are and why you chose them.
- ⑤ Attach a photograph or hand-drawn sketch of the person.

■ Think beyond the obvious — the most interesting stories are often hidden in ordinary lives.

■ Sample Interview Questions

1. What is your occupation and how long have you been doing it?
2. What inspired you to choose this path in life?
3. What is the most challenging part of your work?
4. What is your proudest achievement so far?
5. What message would you like to give to the youth of today?

"The secret of getting ahead is getting started." — Mark Twain

Submit your homework neatly in your English Holiday Homework notebook(for task 1/folder(for task 2) on 5th July 2026.

HINDI

ग्रीष्मावकाश गृहकार्य

भाग – C : SDG गतिविधि. **विषय – Sustainable Cities and Communities**
(सतत शहर और समुदाय)

गतिविधि कार्य : अपने शहर/गाँव का निरीक्षण कीजिए। निम्न बिंदुओं पर जानकारी एकत्र कीजिए –

*स्वच्छता व्यवस्था

*हरित क्षेत्र (पेड़-पौधे/पार्क)

*यातायात व्यवस्था

*जल संरक्षण

*कचरा प्रबंधन

“मेरा आदर्श सतत शहर” विषय पर चित्र सहित पोस्टर बनाइए।

पाठ्यपुस्तक –

* कक्षा में करवाए गए समस्त पाठ्यक्रम का ध्यानपूर्वक अध्ययन करें।

*अशुद्धि शोधन, प्रश्नोत्तर एवं भावार्थ का नियमित अभ्यास करें।

पाठ ध्यानपूर्वक पढ़ें व व्याकरण के आधार पर अभ्यास करें। (संधि , संज्ञा, सर्वनाम, उपसर्ग, प्रत्यय आदि)

व्याकरण

*प्रथम सत्र के शब्द-भंडार को लिखें एवं याद करें।

*संधि का नियमित अभ्यास करें।

लेखन कौशल में अनुच्छेद लिखें –

पर्यावरण संरक्षण में विद्यार्थियों की भूमिका

निर्देश

✓ कार्य सुंदर लेखन में करें।

✓ रंगीन चित्र एवं चार्ट का प्रयोग करें।

✓ समय पर जमा करना अनिवार्य है।

✓ कार्य स्वयं करें और प्रतिदिन लेखन अभ्यास करें।

MATHEMATICS

Note : Ensure that the work is done on A4 size sheets and is in neat handwriting. (Do not use your Maths fair register)

1. Revise and practice the syllabus covered so far.
2. Make one TLM(Teaching Learning Material) on any Maths topic of your class.
3. Do Ch - 2, 4, 7, 9, 11, 12 of Minecraft book in book itself. Bring the doubts.
4. Take the print of following pages given in the link and try to solve the questions: (Mark the appropriate answer and do calculations in rough)

Link:

<https://drive.google.com/drive/folders/17eQmX0BBzx1cKXo9XE8FHcoalSLIaNKN>

5. Group project (Only for selected students) :

SDG 11: Sustainable Cities and Communities

Topic : A Mathematical Analysis of Municipal Solid Waste Management

1. **Sustainable Development Goal 11 (SDG 11)** aims to make cities and human settlements inclusive, safe, resilient, and sustainable. One of the greatest challenges facing rapidly growing urban environments is municipal solid waste management. Target 11.6 explicitly aims to reduce the adverse per capita environmental impact of cities by paying special attention to air quality and municipal waste management.

Aim: The aim of this project is to apply principles of Data Handling to analyse, categorise, and represent the daily waste generated by a small community of 50 households. By performing mathematical modelling and creating a visual Pie Chart, we interpret how data facilitates systematic municipal infrastructure planning.

Core Mathematical Concepts Applied:

- 1) Frequency Distribution Tables: Organising raw community data into structured datasets.
- 2) Central Angle Calculations: Converting fractional values into proportional circular degrees.
- 3) Statistical Mean: Computing local per capita averages to build larger urban projections.

2. Data Collection and Organisation

A sample study was conducted tracking the daily domestic solid waste outputs of 50 households in a local residential township. The accumulated solid waste across all households totalled exactly 90 kg for a single day. The collected waste was sorted into four distinct operational streams.

To represent this data on a circular Pie Chart, the relative share of each category is mapped proportionally onto a 360° scale using the central angle formula:

$$\text{Central Angle (}^\circ\text{)} = (\text{Weight of Category} \div \text{Total Weight}) \times 360^\circ$$

<u>Waste Category</u>	<u>Daily Weight (kg)</u>	<u>Percentage (%)</u>	<u>Central Angle Calculation</u>	<u>Central Angle (°)</u>
Wet / Organic Waste (Food-leftovers, vegetable peels)	45	50%	$\frac{45}{90} \times 360^\circ$	180°
Dry / Recyclable Waste (Paper, plastic, cardboard, tin)	27	30%	$\frac{27}{90} \times 360^\circ$	108°
Hazardous / Domestic Waste (Sanitary waste, expired medicine)	13.5	15%	$\frac{13.5}{90} \times 360^\circ$	54°
Electronic Waste (E-Waste - Batteries, broken chargers, wires)	4.5	5%	$\frac{4.5}{90} \times 360^\circ$	18°
Total	90	100%		360°

3. Depict a pie chart depicting above information.
(draw the pie chart on drawing sheet and paste)

4. Statistical Analysis & SDG 11 Interpretations

To complete our objective urban analysis, we apply two primary operations of descriptive statistics to draw functional inferences for community infrastructure upgrades:

A. Arithmetic Mean Computation (Daily Household Average):

Mean Waste per Household = Total Weight Generated ÷ Number of Households

Mean = 90 kg ÷ 50 = 1.8 kg / day

B. Annual Town Projection Model:

The annual municipal logistics required for this town block:

Annual Town Footprint = Daily Combined Weight × 365 days

Annual Footprint = 90 kg × 365 = 32,850 kg (32.85 Metric Tonnes / Year)

5. Project Conclusion & Action Plan

Our comprehensive mathematical model reveals crucial policy opportunities aligned with SDG 11 (Sustainable Cities and Communities):

- 1) **Landfill Diversion:** By reviewing our visual pie chart, we observe that exactly 50% (Wet Waste) can be processed through local processing facilities for organic composting. Furthermore, 30% (Dry Recyclable Materials) can be re-routed directly to manufacturing loops.
- 2) **Policy Impact:** This means that a total of 80% of urban waste can be kept entirely away from municipal landfill sites through structured recycling programs, cutting the annual neighbourhood dump footprint from 32.85 tonnes to just 6.57 tonnes.

Conclusion: Data handling gives city administration precise control over infrastructural needs. Measuring parameters mathematically transitions local communities from traditional open-loop disposal methods to modern, circular, sustainable urban models.

G.SCIENCE

Multidisciplinary Group Project — [SDG 11: Sustainable Cities and Communities](#)

The following project topics are assigned for the upcoming Multidisciplinary Group Project layout. Choose any ONE option from the choices given below to present your vision for future urban environments.

Instructions for Students:

Complete the project neatly on an A4 size sheet (handmade paper preferred). Include a beautifully drawn, labelled schematic diagram or blueprint layout as required by your chosen option. Provide crisp, well-structured written analysis supporting your technical design.

Option 1: Blueprint of My Dream Sustainable City

Design a miniature conceptual blueprint layout of a highly sustainable, eco friendly futuristic urban settlement.

Layout Blueprint & Labeled Diagram Requirement:

Draw a comprehensive blueprint map illustrating a living micro-district incorporating smart infrastructure.

Written Content Guidelines (Briefly cover the following):

- **Eco-friendly Infrastructure:** Core materials and architecture techniques required for eco-friendly housing.
- **Clean Energy Integration:** Mechanisms to run localized grids entirely on solar energy.
- **Urban Green Spaces:** The ecological importance of integrated parks and playgrounds.
- **Water Management Systems:** Implementing efficient rooftop rainwater harvesting.
- **Municipal Protocols:** Strategies for mandatory dynamic household waste segregation.
- **Green Mobility:** Planning rapid municipal public transport networks to reduce single-occupancy vehicles.

Option 2: Smart Traffic & Emission Management Solutions

Develop a targeted infrastructural model focusing heavily on modern strategies to mitigate traffic congestion and urban atmospheric pollution.

Technical Schematic Requirement:

Draw an engineered conceptual map or flow design illustrating a modern, well-coordinated, climate- resilient intelligent intersection grid.

Written Content Guidelines (Analyze the implementation of these 4 pillars):

- **Bicycle Lanes:** Designing safe, physically segregated active non-motorized corridors.
- **Electric Fleet:** Transitioning municipal networks exclusively into high-capacity electric buses.

- Carpooling Infrastructure: Socio-technical incentives and dedicated high-occupancy vehicle lanes for carpooling.
- Smart Traffic Signals: Leveraging real-time dynamic AI sensors on traffic signals to optimize active idle times and limit toxic fuel emissions.

Note: This specific multidisciplinary project layout is to be done ONLY by students who have selected Science for their group project.

Part A: Paper-Quilled Cell Structure Model

Demonstrate your understanding of cellular anatomy by constructing an intricate, tangible structural comparative model using the Paper Quilling technique.

First Half Split: Must explicitly showcase a detailed Plant Cell morphology (clearly defining structural components like the cell wall, large central vacuole, and chloroplasts).

Second Half Split: Must explicitly showcase a comparative Animal Cell morphology (depicting the cell membrane, centrioles, and scattered small vacuoles).

Ensure different colored paper coils are used to distinctly isolate and label individual cellular organelles.

Part B: Academic Revision & Self-Assessment

Thoroughly revise, memorize, and consolidate all the chapters, concepts, and detailed classwork completed in your science notebook so far.

Preparation Notice: Be perfectly prepared for a comprehensive descriptive Class Test immediately upon the reopening of the school.

Kaushal Bodh Practical Activity — Soilless Agriculture Exploration

Dear Students,

As an exciting, hands-on extension of your vocational science curriculum, you are required to complete

Activity 3 directly from your Kaushal Bodh Textbook (Pages 16 & 17): Building a Functional Hydroponic System using the Wick Method. This highly practical homework lets you observe plant physiology and grow crops completely independent of natural soil matrices.

Materials Required:

A used 2-liter PET plastic bottle, clean cotton cloth strips or thick cotton thread (wick), soil-less growth medium (e.g., coco-peat, perlite, or vermiculite), viable seeds or healthy young seedlings, and water.

Step-by-Step Instructions:

1. Strictly execute the system assembly following the step-by-step pictorial guide given on Pages 16 & 17 of Kaushal Bodh.
2. **Crucial Safety Warning**: Ensure you take the direct assistance and supervision of a parent or adult guardian while cutting the PET plastic bottle structure into halves.
3. You are encouraged to paint or decorate your external planter base structure creatively without disturbing the underlying wick mechanism.
4. Nurture your plant over the holidays and carefully bring your completed, live planter system to school for presentation after the vacation.

S.SCIENCE

Project 1– SDG 11: Sustainable Cities and Communities

NOTE:- Group project (Only for selected students)

A. General Presentation Instructions

- ☐☐ Prepare the project neatly on A4 size sheets or in a scrapbook.
- ☐☐ Write the entire project in your own handwriting.
- ☐☐ Use colourful headings, borders, sketches, and charts to make the project attractive.
- ☐☐ Paste or draw relevant pictures and illustrations throughout.

B. Cover Page – Required Elements

- ☐☐ **Project Title:** SDG 11 – Sustainable Cities and Communities
- ☐☐ Student's Name
- ☐☐ Class & Section
- ☐☐ Roll Number
- ☐☐ Draw or paste the SDG 11 logo with a green and orange colour theme.

C. Topics to Cover

1. Meaning of Sustainable Cities

- ☐☐ Define sustainable cities and communities.
- ☐☐ Explain how cities can become safe, clean, and eco-friendly.
- ☐☐ Give examples of smart and green cities.

2. Problems Faced by Cities

- ☐☐ Pollution (air, water, noise)
- ☐☐ Traffic congestion
- ☐☐ Waste management problems
- ☐☐ Lack of green spaces
- ☐☐ Overpopulation and slums

3. Ways to Make Cities Sustainable

- ☐☐ Use of public transport
- ☐☐ Planting more trees
- ☐☐ Recycling and waste segregation
- ☐☐ Rainwater harvesting
- ☐☐ Solar energy and clean energy sources

4. Importance of Sustainable Communities

- ☐☐ Better health and clean environment
- ☐☐ Safe housing and transportation
- ☐☐ Conservation of resources
- ☐☐ Improved quality of life for future generations

D. Creative Activity – “My Dream Sustainable City”

Activity Instructions

Create a colourful chart, model, or drawing showing your dream sustainable city.

Include:

- ☐☐ Green parks and trees
- ☐☐ Solar panels
- ☐☐ Clean roads
- ☐☐ Cycle tracks
- ☐☐ Electric buses/metro

- ☐☐ Recycling bins
- ☐☐ Rainwater harvesting systems
- ☐☐ Pollution-free environment

E. Activity Chart – Features of a Sustainable City

Feature	Importance
Public Transport	Reduces traffic and pollution
Green Parks	Provides fresh air and recreation
Recycling	Reduces waste
Renewable Energy	Saves natural resources
Clean Water Systems	Maintains public health

Project 2 – Universal Adult Suffrage

A. General Presentation Instructions

- ☐☐ Prepare the project neatly on A4 sheets or in a scrapbook.
- ☐☐ Decorate with colourful headings, borders, and pictures.
- ☐☐ Paste or draw relevant illustrations related to voting and democracy.

B. Cover Page – Required Elements

- ☐☐ **Project Title:** Universal Adult Suffrage
- ☐☐ Student's Name
- ☐☐ Class & Section
- ☐☐ Roll Number

C. Topics to Cover

1. Meaning of Universal Adult Suffrage

- ☐☐ Define Universal Adult Suffrage.
- ☐☐ Explain that every adult citizen has the right to vote without discrimination based on caste, religion, gender, or wealth.

2. History of Voting Rights in India

- ☐☐ Voting rights after independence
- ☐☐ Equal voting rights for men and women
- ☐☐ Reduction of voting age from 21 to 18 years (1989)

D. Creative Activity – “Be a Responsible Voter”

Activity Instructions

Design a colourful poster or slogan-writing activity on voting awareness.

You may include:

- ☐☐ “Every Vote Matters”
- ☐☐ “Vote for a Better Future”

SANSKRIT

ग्रीष्मकालीन कार्य

1. एक सुंदर वातावरण हितैषी (Eco friendly) शहर का चित्र बनाइए। चित्र में दिखाई देने वाली वस्तुओं के नाम संस्कृत में लिखिए। प्रत्येक वस्तु पर तीर (→) लगाकर उसका संस्कृत नाम दर्शाइए।

- दीपकम पुस्तक के पाठ 2 के कोई चार श्लोक अर्थ सहित एक कागज का थैला बनाकर उसपर लिखें (रचनात्मक कार्य)
 - पाठ्यक्रम के आधार पर कक्षा में कराए गए विषयवस्तु का अभ्यास ध्यानपूर्वक करें
-

MUSIC

Prepare a neat and creative assignment on one A4 size sheet.

1. Swaras and Tala

- * Write the 7 Swaras in order: Sa, Re, Ga, Ma, Pa, Dha, Ni.
- * Mention their importance in Indian music in a few lines.

2. Musical Knowledge Activity

- * Make a table of any 3 musical instruments and write:
 - * Name of the instrument
 - * Type (String / Wind / Percussion)
 - * Indian / Western

Please complete your work neatly, use colours for presentation, and decorate the sheet creatively with music-related symbols.

Happy Holidays and enjoy learning music! 🎵

ART & CRAFT

- Make any one Article using ice cream sticks
 - Make one kalamkari Art Painting on A3 size sheet
 - Make one Landscape on A3 size Sheet.
-

LIBRARY

Design a New Book Cover

- create a colourful new cover Page for your favourite book. Include:-

- Title
- Author Name
- Tagline or slogan

*Use Sketch pens, glitters or decorative materials.

COMPUTER

- Using Canva / PPT / Word, Create: Cyber safety infographic poster.
- Create a digital portfolio about you , your hobbies, your favourite subject, future career, holiday photos etc. Print the copy of the file for the submission.

Requirements:

- ✓ Add pictures. ✓ Proper headings.
- ✓ Page design / theme

(Don't use AI for all the things. Use it in minimal amount ie, for the final touch)
