



GREENWOOD PUBLIC SCHOOL, ADITYAPURAM, GWALIOR
OUR MOTTO- DEVELOPMENT WITH DELIGHT
HOLIDAY ASSIGNMENT FOR CLASS-X (2026-27)



Dear Students, Innovators,
 Warm Greetings!!!

ENGLISH HOLIDAY ASSIGNMENT

GENERAL INSTRUCTIONS:

- Use an A4 size folder to compile all written work as part of your **Student Portfolio**.
- Focus on **Critical Thinking, Creativity, and Self-Expression** rather than mere recall.

Part 1: Reading & Analysis (Section A)

Objective: To enhance conceptual understanding and decoding skills.

- **Case-Based Project:** Find a recent news article or report that includes a chart, graph, or statistical data (e.g., environmental trends, education stats, or sports data).
 - Summarize the passage in **200-250 words**.
 - Write **five original questions** based on the data: two Multiple Choice Questions (MCQs) and three Short Answer Questions (30-40 words each).

Part 2: Creative Writing & Grammar (Section B)

Objective: To practice formal expression and grammatical accuracy.

- **Analytical Paragraph:** Create a "Summer Activity Map" of your own holidays. Based on this map, write an analytical paragraph (100-120 words) describing how you spent your time, noting the most frequent activities and their impact on your learning.

Note: This assignment contributes to your **Internal Assessment (20 Marks)**.

Submission Note: All written work should be neatly organized in a file. Ensure your grammar and spellings are accurate, as these will be assessed through the lens of your professional grasp of the language.

HINDI HOLIDAY ASSIGNMENT

भाग 1: व्याकरण (Grammar)

1. **संक्षेपित खबर (Headlines):** नीचे दी गई खबर को संक्षेपित करें। (Summarize the news article below.)
2. **संक्षेपित खबर (Headlines):** नीचे दी गई खबर को संक्षेपित करें। (Summarize the news article below.)

भाग 2: रचनात्मक लेखन (Creative Writing)

- **व्यक्तिगत लेखन (Personal Writing):** "भविष्य (2047):" के संदर्भ में एक व्यक्तिगत लेख लिखें। (Write a personal writing about "Future (2047):".)

सूचनाएं:

- **सूचनाएं:** (Information)
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MATHEMATICS HOLIDAY ASSIGNMENT

GENERAL INSTRUCTIONS:

- All activities should be documented in a Mathematics Portfolio.
- Focus on the process and logical reasoning rather than just the final numerical answer.

Part 1: Numbers and Algebra (Unit I & II)

- **The Number System Project:**
 - Find any three large numbers from a news article (e.g., budget figures or population data).
 - Find the **HCF and LCM** of these numbers using the **Fundamental Theorem of Arithmetic**.
 - Verify if these numbers are rational or irrational and explain why.
- **Polynomials in Action:**
 - Identify a parabolic shape in your surroundings (e.g., a fountain, a bridge, or a satellite dish).
 - Sketch the parabola and find the **zeros of the polynomial** it might represent.
 - Explain the relationship between the coefficients and the zeros of this quadratic polynomial.

Note: This assignment contributes to your **Internal Assessment (20 Marks)**.

Submission Format: All calculations must be shown clearly in a dedicated Mathematics Assignment Notebook. Use diagrams and graphs wherever necessary to support your findings.

SCIENCE HOLIDAY ASSIGNMENT

GENERAL INSTRUCTIONS:

- Maintain a **Science Journal** to record all observations, hypotheses, and data.
- Use scientific terminology effectively to communicate your findings.
- All activities align with the **Internal Assessment** components, specifically focusing on **Subject Enrichment (Practical Work)** and **Portfolio**.

Part 1: Our Environment

- **Waste Management Audit:** * Categorize the waste produced in your home for three days into Biodegradable and Non-biodegradable.
 - Suggest two ways to reduce the production of non-biodegradable waste in your household.
- **Food Chain Model:** * Construct a food chain specific to your local area or a garden ecosystem. Identify the producers, herbivores, and carnivores.

Note: These activities align with the **Subject Enrichment** requirements of your internal assessment (20 marks total). Ensure your diagrams are neat and your observations are recorded accurately.

"Science is not just a subject, it is a systematic process of questioning the world around us."

SOCIAL SCIENCE HOLIDAY ASSIGNMENT

GENERAL INSTRUCTIONS:

- All tasks must be compiled in a **Social Science Portfolio**.
- Use a mix of visual expressions (maps, sketches, flowcharts) and written reflections.
- Assignments are designed to reduce content load and prioritize deep understanding of core concepts.

Part 1: Geography & Environment

- **Local Resource Audit:**
 - Identify the major land and water resources in your district.
 - **Task:** Write a report (approx. 150 words) on the status of "Forest and Wildlife Resources" in your state. Mention at least two conservation practices being followed locally.
- **Map Work:** On a political map of India, locate and label the following major soil types: Alluvial, Black, Red and Yellow, and Laterite.

Part 2: Political Science & Civic Awareness

- **Case Study:** Compare the "Power Sharing" model of Belgium and Sri Lanka.
 - **Task:** Create a "Pros and Cons" chart for both models.
 - **Reflection:** Write a short paragraph on why power sharing is desirable in a diverse country like India.
- **Federalism in Action:** Find a news story from this summer where the Central Government and a State Government collaborated on a project (e.g., water resources or infrastructure). Briefly explain how this represents the spirit of Federalism.

ASSESSMENT & EVALUATION (INTERNAL ASSESSMENT)- Your work will be evaluated based on the following learning outcomes:

- **Portfolio:** The neatness, reflections, and completeness of your compiled folder.

"The purpose of Social Science is to develop engaged, productive, and contributing citizens for an equitable and inclusive society."

ARTIFICIAL INTELLIGENCE HOLIDAY ASSIGNMENT

GENERAL INSTRUCTIONS:

- All practical work should be saved in a folder named [YourName]_CA_Homework.
- Written reports should be formatted as professional documents.

Part 1: The AI Project Cycle

- **Project Prototyping:** Think of a small problem in your school or neighborhood that could be solved using AI.
 - **Task:** Document the first three stages of the **AI Project Cycle** for your idea:
 1. **Problem Scoping:** Define the goal of your project.
 2. **Data Acquisition:** List the types of data you would need to collect.
 3. **Data Exploration:** Briefly explain how you would visualize or analyze this data (e.g., using charts or graphs).

Submission Guidelines

- **Format:** The assignment should be compiled into a physical folder.
- **Evidence:** Include screenshots of your Python code results and a brief summary of your interaction with AI games.
- **Evaluation:** Your work will be assessed based on **Research Work, Content Relevance, and Creativity/Analytical Skills**.

PHYSICAL EDUCATION & WELL-BEING HOLIDAY ASSIGNMENT

General Instructions:

- Maintain a dedicated **Sports & Well-being Journal**.
- Use photographs, sketches, and data tables to make your work authentic.
- This assignment contributes directly to your **Internal Practical Assessment**.

Part 1: Fitness and Wellness (Strand 1)

- **Personal Fitness Log:** Maintain a daily log of your physical activities for two weeks.
 - **Task:** Include at least 60 minutes of moderate to vigorous physical activity daily (e.g., jogging, swimming, cycling, or playing a sport like football or badminton).
 - **Measurement:** Record your resting heart rate every morning and your heart rate immediately after exercise to observe your recovery rate.
- **Yoga and Flexibility:** Practice a sequence of at least five Asanas (e.g., Tadasana, Vrikshasana, Bhujangasana, Paschimottanasana, and Shavasana).
 - **Task:** Write a brief description of the benefits of each Asana for mental and physical well-being.

Part 2: Health and Hygiene (Strand 2)

- **Nutrition and Diet Analysis:**
 - **Task:** Track your water intake and meals for three days. Evaluate your diet based on the "Balanced Diet" pyramid.
 - **Reflection:** Identify two "junk food" items you frequently consume and suggest healthier indigenous alternatives (e.g., replacing chips with roasted gram or Makhana).
 - **First Aid Awareness:** Create a "Mini First Aid Guide" for common summer injuries like heatstroke, dehydration, or minor cuts. List the immediate steps to be taken in each scenario.
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ART EDUCATION HOLIDAY ASSIGNMENT

PART 1: VISUAL ARTS & EXPLORATION

- **Environmental Sketching:** Carry a small sketchbook during your holidays.
 - **Task:** Create a series of five "Quick Sketches" of your local surroundings (e.g., a bustling market, a quiet park, or interesting architectural details of a local building).
 - **Focus:** Pay attention to **lines, forms, and textures**. Use different media such as charcoal, ink, or watercolors.
- **Color Theory Project:** Create a "Nature-Inspired Color Palette."
 - **Task:** Collect fallen leaves, flowers, or stones. Try to recreate their exact colors using paints.
 - **Final Product:** A 12-inch x 12-inch composition using only the colors found in your natural samples to create an abstract design.

SUBMISSION GUIDELINES

- **Format:** All written work and sketches should be compiled in a single **Visual Journal** or a creative scrap file.
- **Assessment:** This homework will contribute towards your **Internal Assessment**, worth 20 marks in your final practical grade.
- **Evaluation Criteria:** Your work will be judged on creativity, the application of concepts learned from the curriculum, and the quality of your reflections.