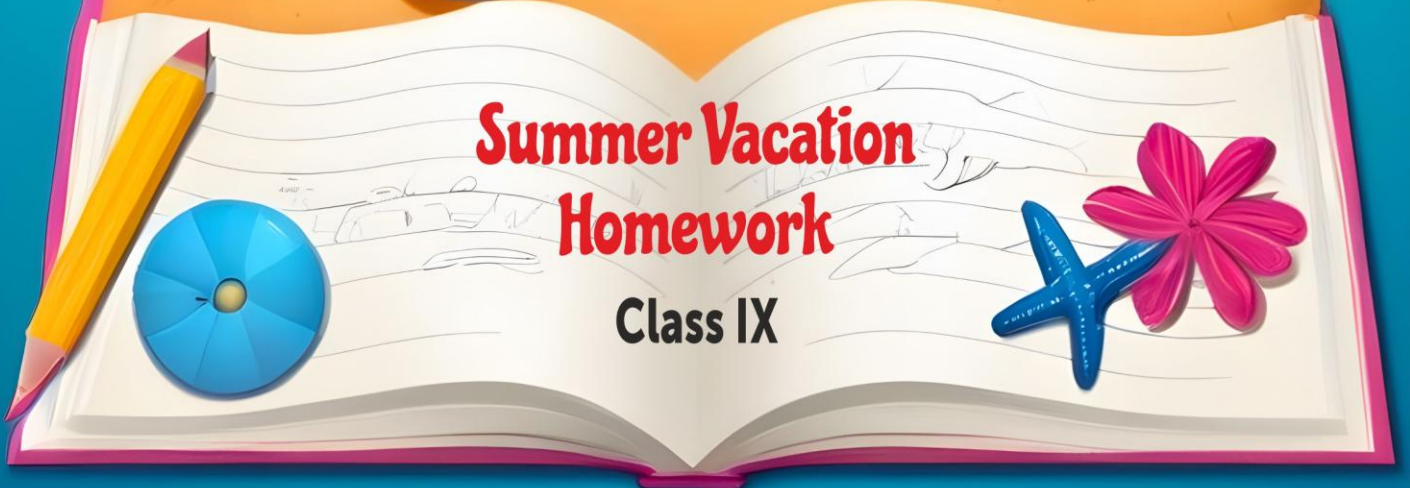




VIDYAVATI

PUBLIC CENTRAL SCHOOL

Affiliated to CBSE, New Delhi
(Aff. No.: 1030656)



Summer Vacation Homework

Class IX

Dear Parents,

Greetings from Vidyavati Public Central School!

As we approach the summer break, it is important to ensure that our students remain meaningfully engaged with their learning while also enjoying a well-deserved period of rest and rejuvenation. The Summer Vacation Homework for Classes IX to XII has been thoughtfully designed to promote **creativity, independent thinking, and application-based learning**, while maintaining a healthy balance with relaxation.

Kindly take note of the following guidelines:

- Encourage your ward to complete the assigned work **independently**, with sincerity and creativity.
- All homework should be **neatly presented on A-4 sheets** and **compiled systematically in a single, well-organized file** for all subjects.
- Ensure that the work reflects **clarity, proper labeling, and thoughtful effort**, rather than mere completion.
- All assignments must be **completed and submitted to the respective subject teachers on the first day of school after the summer vacation**.
- Students are advised to **plan their work in advance** and avoid last-minute rush.
- For any queries or assistance, students/parents may **contact the respective subject teacher or the academic coordinator**.

We sincerely appreciate your support in guiding your ward to utilize this time productively and develop a sense of responsibility towards self-learning.

Wishing you and your family a **safe, happy, and refreshing summer vacation!**

**Warm regards,
Principal
Vidyavati Public Central School**

English & Social Science

Theme: “India through Time and Words”

Objective- to explore India’s rich historical and cultural heritage through the lens of Social Science and creatively express it using English language skills.

Project Title- “Echoes of the Past, Voices of Today”

Tasks

1. Time Travel Diary

Imagine you are a time traveler who visits any one major event from Indian History (e.g. The Revolt of 1857 or Dandi March or Partition of India)

Write a diary entry from that day describing what you saw, felt and learned. Use rich vocabulary and emotion.

2. State Cultural Brochure

Choose any one Indian state.

Create a tourism brochure featuring: -

Key attractions

- Traditions and festivals
- Food & clothing
- Governance/ Political leadership (Short intro)

3. Debate Records

Topic “Development vs Environment- What should India prioritize?”

Prepare a script either “for the motion” or “against the motion”.

Practice and record yourself speaking.

Mathematics

1. Choose famous monuments of world (like Taj Mahal, Eiffel tower, Qutub Minar, Konark Sun Temple, Ajanta Caves & Elora caves etc.)

Research & describe the geometry used in its design & explain about its symmetry, shapes & proportions.

3. Present your finding in following manner.

Page-01: - Name, roll no., class, sec.

Page-02: - Introduction.

Page-03: - Index on which different monuments are mentioned sequence wise

Page-04: - Explaining point no.2 in details along with their pictures.

Hindi

कार्य : 1

- किसी भी कवि (जैसे कबीर, रहीम या अन्य) के कोई दो दोहे/साखियाँ चुनिए।
- प्रत्येक के नीचे उसका सरल अर्थ (3-4 पंक्तियों में) अपने शब्दों में लिखिए।
- बताइए कि इन पंक्तियों का आज के जीवन में क्या महत्व है (4-5 पंक्तियाँ)।

2: रचनात्मक लेखन (संवाद लेखन)

- कल्पना कीजिए कि आपके द्वारा चुने गए पात्र आपस में बातचीत कर रहे हैं।
- उनके बीच 7-8 पंक्तियों का संवाद लिखिए।
- ध्यान रखें:
 - भाषा सरल हो
 - भाव स्पष्ट हों
 - संवाद स्वाभाविक लगे

3: किसी भी प्रसिद्ध लेखक/कवि/व्यक्तित्व को चुनिए।

- निम्न बिंदुओं के आधार पर 6-8 पंक्तियों में लिखिए:
 - उनका परिचय (संक्षेप में)
 - उनके कार्य/रचनाएँ
 - उनकी सोच या संदेश

- आपको उनसे क्या सीख मिलती है
- 4: “मेरे जीवन के मूल्य” विषय पर 8–10 पंक्तियों का एक अनुच्छेद लिखिए।
- इसमें लिखिए:
 - आपके लिए सबसे महत्वपूर्ण मूल्य कौन से हैं
 - आप उन्हें अपने जीवन में कैसे अपनाते हैं

Science

Tasks

Create both a 3-D model and a detailed labeled drawing of:

- One animal cell and
- One plant cell

Each model and drawing should clearly showcase:

- All major organelles (such as nucleus, mitochondria, chloroplasts (in plant cells), endoplasmic reticulum, etc.)
- Labels of each organelle
- Brief mention of each organelle’s function
- Integration of artistic creativity — for example, using different textures, colors, or creative materials to represent various organelles.

Guidelines for the 3-D Model:

- Use clay, thermocol, cardboard, papermache, or any eco-friendly material available at home.
- Make the model neat, colorful, and proportionate.
- Clearly label each organelle using tags or stickers.
- Mention functions either on the model itself or on a small accompanying chart.

Guidelines for the Detailed Drawing:

- Draw one animal cell and one plant cell neatly on drawing sheets.
- Label each organelle clearly and neatly.
- Add a short note (1–2 lines) for each part explaining its function.
- Make the drawings colorful and use shading or patterns creatively to show differences between the cells and their components.

Artificial Intelligence

Topic: Skill-Based Hiring Using Artificial Intelligence

Task:

Artificial Intelligence is used by companies to shortlist candidates for jobs.

1. Research how AI systems can reduce bias in hiring by focusing on skills instead of gender, background, or personal details.
2. Explain:
 - (i) What type of data such AI systems use
 - (ii) How bias can still enter AI systems
 - (iii) Why ethical rules are necessary in AI
3. Design a one-page description of an AI-based hiring system that:
 - (i) Evaluates skills fairly
 - (ii) Protects personal data
 - (iii) Ensures equal opportunity