



# NOIDA INTERNATIONAL PUBLIC SCHOOL

CLASS – IX (2026-27)

## SUMMER HOLIDAY HOME WORK

Summer holidays are a wonderful opportunity to relax, refresh your mind, and explore learning beyond the classroom. This holiday homework has been carefully designed to help you strengthen your concepts, enhance your creativity, and develop independent thinking. While completing your work, focus on neatness, accuracy, and originality. Try to connect your learning with real-life situations and express your ideas in a creative way. It is important to maintain a balance between study and recreation, so make sure you also spend time reading, helping your parents, and enjoying your hobbies. Complete your work on time and bring it back with pride and confidence.

### **English :**

1. Do all the work neat and clean.
2. Holiday homework mandatory to submit.
3. Prepare the syllabus thoroughly.
4. Prepare a file for the holiday homework.

#### 1. **Headline News**

Write a news report (150–200 words) on any topic:

“Heatwave in India breaks records”

“Students invent eco-friendly solution”

“Water shortage in cities”

□ Include: Headline, Date & place, Reporter name

Facts (5W: What, When, Where, Why, Who)

#### 2. **Creative Column**

Title: “Teen Talk” □ Write your opinion about:(any one)

School life or Exams or Friendship

#### 3. **Interview Writing**

Take an imaginary interview (any one)

A teacher

A celebrity

A freedom fighter

Write at least 5 Q&A

#### 4. Personality Profile:

Write about a person you admire:

Qualities, achievements and why you like them

#### 5. Write a review of:

Any movie OR Any book

Include:( Story, Characters, your opinion)

### **Hindi:**

भाग – 1 : (साहित्य)

प्रश्न 1: लेखक/कवि परिचय

किन्हीं दो लेखकों/कवियों का संक्षिप्त परिचय लिखिए:

नाम

जन्म स्थान

प्रमुख रचनाएँ

प्रश्न 2 :काव्य खंड से झांसी की रानी कविताको सुंदर लिखावट में चित्र सहित चार्ट पेपर पर लिखिए ।

प्रश्न 3: शब्द भंडार

किसी भी दो पाठों से 10 कठिन शब्द चुनकर उनके अर्थ तथा वाक्य बनाइए।

भाग – 2 : हिंदी व्याकरण

प्रश्न 4: उपसर्ग-प्रत्यय

10 शब्द उपसर्ग लगाकर बनाइए

10 शब्द प्रत्यय लगाकर बनाइए

भाग – 3 : रचनात्मक लेखन

प्रश्न 5:अनुच्छेद लेखन

निम्नलिखित में से किसी एक विषय पर 80-100 शब्दों में अनुच्छेद लिखिए:

पर्यावरण संरक्षण

मेरा प्रिय स्थान

भाग – 4 : परियोजना कार्य (Project Work)

भारत की 5 भाषाओं के नाम, उनकी लिपि और क्षेत्र लिखकर एक चार्ट तैयार करें।

निर्देश:

लिखावट साफ और सुंदर होनी चाहिए

A4 शीट/कॉपी का प्रयोग करें

रंग, चित्र और बॉर्डर का प्रयोग करें

सभी कार्य एक फाइल में संलग्न करें!

## Maths:

Make a project file on following topics:

1. Collect the data on the "evolution of Number System - Journey from counting numbers to real numbers".
2. Write about the "Journey and major Contributions of an Indian Mathematician".
3. Art Integrated Project:

"The Andaman and Nicobar Islands are the home to about a dozen endangered languages. The majority of the population speaks immigrant languages. Demonstrate different languages spoken in Andaman and Nicobar through a pie chart. The most common spoken language in Lakshadweep is Malayalam. Search for other languages spoken here and exhibit it by a pie chart."

## Science :

### Physics :

Make a portfolio in which you have to make the graphs by using graph paper and proper scale of the following

- 1) position time graph in uniform motion
- 2) position time graph in nonuniform motion
- 3) velocity time graph in uniform motion
- 4) velocity time graph in accelerated motion
- 5) velocity retardation graph
- 6) uniform velocity and time graph

Note: scale x-axis 5 div

Y-axis 5 div

Answer the following

- 1) Define the one mach.
- 2) If a missile is moving with speed of 24 mach find the speed in km/h?
- 3) A train starting from Allahabad railway station covers 400km in 8 hours, find the velocity of the train in m/s?
- 4) Vivek started to paddle his bicycle from Nips gate and achieve 10 m in 5s. Find the distance covered by him in 55 min?
- 5) Convert 56 km/h into m/s.

### Chemistry:

1. \*PREPARE A PORTFOLIO ON ATOMS AND MOLECULES.

2. Complete lab manual work.

3. Practice UT 1 Syllabus.

### **Biology: Portfolio Activity**

Topic: "A Cell as a House" — Comparing Cell Organelles with Parts of a House.

#### Activity Instructions

Prepare a creative portfolio using colourful sheets or drawings to represent the different cell organelles.

#### Your Task

Draw a plant cell or an animal cell neatly in a portfolio file.

Compare each cell organelle with a suitable part of a house.

For examples: Door-Cell membrane

Kitchen-Mitochondria

Owner/Head-Nucleus

Write the function of each organelle beside it.

At the end, draw a proper labelled diagram of the cell.

Prepare Syllabus of UT I

### **Social Studies:**

1 Draw the Interior of the Earth on A4 size sheet.

2 Draw the 3 main types of weathering on A4 size sheet.

3 Types of Tectonic plates Draw on A4 size sheet.

### **Sanskrit:**

1. पाठे आगतानाम् उपनिषद् च नानाम् आशयं दशसु वाक्येषु लिखत ।

2. केषाञ्चन त्रयाणाम् आत्मनेपदिधातूनां लट्-लोटलकारयोः त्रिषु पुरुषेषु रूपाणि स्मरत लिखत च ।

3. षट् स्थानानि, षट् करणानि, पञ्च आभ्यन्तर-प्रयत्नाः च अभ्यास पुस्तिकायाः लिखत ।

4. पाठे आगतेषु सुभाषितेषु कानि-कानि जीवनमूल्यानि सन्ति? तानि जीवनमूल्यानि अधिकृत्य पञ्च पञ्च सुभाषितानि लिखत । तेषां सन्दर्भग्रन्थानां नामानि अपि लिखत ।

5 नृत्यसङ्गीतादिक्षेत्रेषु कस्यापि एकस्य जनप्रियस्य कलाकारस्य विषये पञ्चवाक्यानि लिखत ।

### **AI :**

#### **Digital Poster/Presentation on Artificial Intelligence (AI)**

Create a 5-6 slide presentation (or a designed A4 poster) on how AI is changing our daily lives.

- **Topic:** *AI in Healthcare* or *AI in Smart Homes*.

- **What to include:** Introduction to the technology, real-world examples (like disease detection or voice assistants), benefits, and challenges.
- **Tools:** Use **Google Slides** or **Microsoft PowerPoint**

### **Cyber Safety Comic Strip or Brochure**

Combine digital design with internet safety awareness.

- **Topic:** Create a pamphlet/comic strip about **Cyber Bullying, Phishing, or Safe Use of Social Media.**
- **What to include:** "Dos and Don'ts" list, an explanation of digital footprints, and tips for strong password security.
- **Tools:** Design using **Canvas**

Wishing you a happy, safe, and productive summer vacations.

