



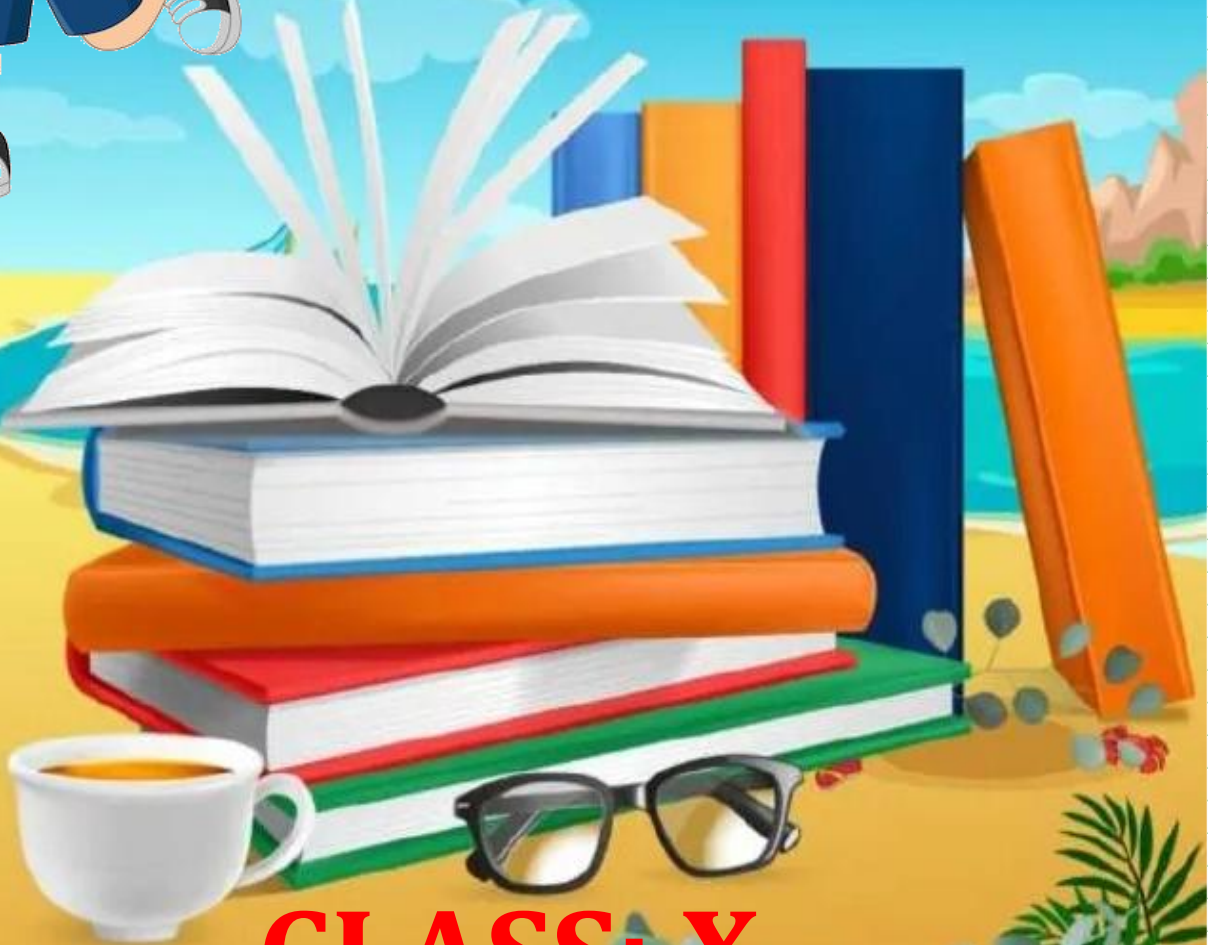
HERITAGE CHILDREN ACADEMY

(Senior Secondary School Affiliated to CBSE, New Delhi)

NH-24, Jalif Nagla, Teh- Milak, Distt. Rampur (U.P) 244701

SESSION : 2026-27

Summer Holiday Homework



CLASS: X

www.heritagemilak.com

Dear Students,

Holidays are the most anticipated time of the year for everyone. I hope you enjoy it a lot next to your family and when you come back you will tell us your best experiences. Beat the heat by drinking lemonade, coconut water and eating Fresh fruits. We wish you a very happy and a fruitful family time during this summer vacation. The school is closed for summer vacation from **1st June to 24th June, 2026 for Class X & XII.**

GENERAL INSTRUCTIONS FOR ASSIGNMENT-

- It is summer vacation time, a time to relax as well as to get fruitfully occupied in various scholastic and co-scholastic areas. Keeping this in mind, we have designed interesting Projects/Assignments to be completed during the summer vacation. This would encourage in-depth learning, strengthen concepts and prepare ground for improved academic output.
- It will not only enable you to recapitulate what was taught but will also help you to connect yourselves to the various learning processes. These projects will be assessed as Subject Enrichment Activity for Term I.
- Dear parents, kindly motivate and lend support to your children and ensure that they complete the given work well in time and to the best of their ability. Your encouragement can actually make a huge difference to the ultimate learning outcome of these projects.
- During the break Inculcate healthy eating habits in your children, give them fruits and balanced diet with vitamin C and ask them to get up early in the morning.

Do breathing exercise/Yoga daily.

**For queries related to fee, new admission, transfer certificate documentation you may contact the mentioned WhatsApp number between 10 AM to 2 PM.
(Dipanshu Sharma:- 9759431635 & Mahendra Kumar Pandey:- 8433110811)**

ENGLISH

Theme: “Reflect, Imagine & Express”

Learning Objectives

Students will:

- Develop creative and analytical writing skills
- Strengthen understanding of prescribed literature
- Express ideas with clarity and textual support

Learning Outcomes

Students will be able to:

- Interpret themes and characters from literature
- Relate textual ideas to real-life situations
- Write with coherence, accuracy, and creativity

Q1. Creative Writing Task (5 Marks)

Imagine you woke up one day to find that **technology had completely disappeared from the world.**

Write in any ONE form:

- Diary Entry
- Short Story
- Article

Guidelines:

- Word Limit: 150–200 words
- Focus on imagination, feelings, and impact on daily life
- Use proper format and paragraphing

RUBRICS

Creativity	:	4M
Content	:	4M
Time duration	:	2M

HINDI

निम्नलिखित बिंदुओं पर पोर्टफोलियो फाइल तैयार कीजिए

1. परिचय (Introduction)

छात्र का नाम, कक्षा, सेक्शन

विद्यालय का नाम

सत्र (Session)

एक सुंदर कवर पेज

2. स्व-परिचय (Self Introduction)

अपने बारे में 8–10 पंक्तियाँ

लक्ष्य (Aim in life)

रुचियाँ (Hobbies)

3. विषय आधारित कार्य (Subject Work)

*अनुच्छेद लेखन (जैसे -मिशन सिंदूर, नर हो न निराश करो मन को)

*राम लक्ष्मण परशुराम पाठ का सार/व्याख्या

रूबरिक्स

*साफ सुथरा और आकर्षक लेआउट	(02 अंक)
*चित्रों का प्रयोग	(02 अंक)
*समय अवधि	(01 अंक)
*विषय विस्तार	(05 अंक)

MATHS

- GST and billings: understanding percentage task (Collect 2 bills restaurant, shopping, groceries etc)-
 - Identify the cost before GST, GST amount and final bill.
 - Calculate GST percentage, Total GST paid.
 - Write how GST affects your final cost.
- Lab manual activity- write 4 activities of ch- 2,3,4 and 7 and in your lab manual register. Figures should be made neatly.
- Revise first four chapters thoroughly along with solved examples.

RUBRICS (10 M)

GST Calculations (accuracy) – 3 marks
GST Explanation – 1 mark
Lab Activities (content & completion) – 3 marks
Neatness & Figures – 1 mark
Revision Work – 2 marks
Total = 10 Marks

PHYSICS

Note:- Prepare a project file on the given topic.

Topic: Electromagnetic Induction, Electric Motor & Electric Generator

Section A: Basic Understanding

- Define Electromagnetic Induction (EMI) with an example.

Section B: Electric Motor

- What is an Electric Motor? Write its principle.

Section C: Electric Generator

- What is an Electric Generator? State its principle.

Section D: Application & Analysis

- Differentiate between electric motor and electric generator (any 3 points).
- List real-life applications of EMI, motor, and generator.

Assessment Rubric (10 Marks)

Content Accuracy	3 M
Presentation	2 M
Diagrams	2 M
Viva/Understanding	2 M
Creativity	1 M

CHEMISTRY

Note:- Prepare a project file on the type of chemical reaction (atleast 6 to 8 pages) _____ in daily life.

Project 1: Types of Chemical Reactions in Daily Life (any one)

Content:

Define chemical reactions

Types:

Combination

Decomposition

Displacement

Double displacement

Redox reaction

Real-life examples (rusting, digestion, respiration)

Balanced equations

Activity:

Paste pictures or draw diagrams

BIOLOGY

Theme: "Biology in Real Life"

Task 1: "My Body, My Science" (Observation + Analysis)

Observe your daily routine for one full day and connect it with Biology.

Include:

Food intake → Nutrition

Physical activity → Respiration

Sweating / urination → Excretion

Reaction to surroundings → Control & Coordination

Present as: Chart / A4 size paper

Add: Q1. What did you learn about your body?

Q2. Suggest 2 healthy improvements in your lifestyle

Task 2: "Solve a Real-Life Problem" (Innovation Task)

Choose any one problem:

Junk food habit

Lack of exercise

Excess mobile use

Poor sleep routine

Do the following:

Explain the biological impact of the problem

Suggest a practical solution based on Biology

Present creatively on: A4 Sheets paper

Add a slogan or message for awareness

ASSESSMENT RUBRICS (20 MARKS)

Criteria

Marks

Description Concept Understanding

5 M

Correct biological concepts Real-Life Connection

5 M

Linking Biology with daily life Creativity & Innovation

4 M

Unique ideas, presentation style	Presentation	3 M
Neatness, clarity, visuals	Completion & Submission	3 M

SOCIAL SCIENCE

🛒 SMART MARKET SURVEY 🛒

✦ Theme: “Changing Markets & Smart Consumers”

📁 VISIT ANY NEARBY:

- 📍 Grocery Shop
- 📍 Supermarket
- 📍 Vegetable Market
- 📍 Clothing Shop
- 📍 Mall or Local Market

✦ Observe the market carefully and interact politely with shopkeepers/customers if needed.

📋 OBSERVATION TABLE

✦ POINTS TO OBSERVE ✦

- 📁 Types of shops visited
- 📁 Digital payment methods used

(UPI, QR Code, Card, Wallet etc.)

- 📁 Availability of branded and local products
- 💰 Difference between MRP and selling price

📁 Bargaining done or not

- 📁 Use of plastic, paper, or cloth bags
- 👤 Customer behaviour and rush hours
- 📁 Cleanliness and organisation of market

📁 PREPARE A SURVEY REPORT

INCLUDE THE FOLLOWING POINTS:

✦ 1. INTRODUCTION

- 📍 Name and location of the market
- 📍 Why people prefer this market
- 📍 Types of products sold there

📁 2. CHANGES IN MODERN MARKETS

📁 3. BENEFITS OF DIGITAL PAYMENTS

🌐 4. RESPONSIBLE CONSUMER BEHAVIOUR

📖 5. CONCLUSION

🎨 6. CREATIVE TASK

📷 Paste 3–4 photographs/drawings of the market visit

📁 RUBRICS

- ✓ Observation & data collection – 3 Marks
- ✓ Understanding of market changes – 3 Marks

✓ Creativity & presentation – 2 Marks

✓ Neatness & completion – 2 Marks

★ TOTAL = 10 MARKS ★

✦ “BE A SMART CONSUMER” ✦

🏠 Save Money • Save Environment • Shop Wisely 🏠

INFORMATION TECHNOLOGY

Develop a project report on any one topic out of the given following :

1. Data Entry and Keyboarding Skills.
2. Digital Documentation
3. Electronic spreadsheet
4. Digital Presentation

Mark's will be given on the basis of the following criteria:

- | | |
|-------------------|------|
| 1. Practical File | 10 M |
| 2. Viva Voce | 05 M |
| 3. Total | 15 M |

PAINTING

Fundamentals of Art

Elements of Art & Principles of Art

Section A – MCQs

(6 × 1 = 6 Marks)

1. Which element of art shows light and dark?
a) Shape b) Value c) Texture d) Space
2. A moving dot makes a:
a) Form b) Shape c) Line d) Colour
3. Red, yellow and blue are called:
a) Warm colours b) Secondary colours
c) Primary colours d) Neutral colours
4. Which principle gives equal importance to all parts of art?
a) Balance b) Emphasis c) Rhythm d) Contrast
5. Rough and smooth feelings in art are called:
a) Space b) Texture c) Form d) Pattern
6. Repetition in artwork creates:
a) Rhythm b) Shape c) Variety d) Form

Section B – Short Questions

(3 × 2 = 6 Marks)

Any 3 questions attempt

1. What are Elements of Art?
2. Define line in art.
3. What is texture?
4. What is balance in art?
5. Write any two principles of art.

Section C – Long Questions.

Any one question attempt

(3 × 1 = 3 Marks)

1. Explain any four Elements of Art.
2. Explain any four Principles of Art.

Answer (class 10)

MCQs

1. b) Value
2. c) Line
3. c) Primary colours
4. a) Balance
5. b) Texture
6. a) Rhythm

Short Answers

1. Elements of art are the basic parts used to make artwork.
2. A line is a mark joining two points.
3. Texture means the surface quality of an object like rough or smooth.
4. Balance means equal visual weight in artwork.
5. Balance and rhythm.

Long Answers

1. Four Elements of Art

- Line – A mark joining two points.
- Shape – A flat enclosed area.
- Colour – Makes artwork attractive.
- Texture – Surface quality of an object.

2. Four Principles of Art

- Balance – Equal visual weight.
- Rhythm – Repetition creates movement.
- Emphasis – Important part is highlighted.
- Unity – All parts look connected.

Holiday activity H.w.	M.M
5 painting composition landscape 3 coloured and 2 pencil sketch Pictures of 5 human figure based on any topic 3 pencil sketch and shading 2 picture coloured	40 marks

“Your future is created by what you do today, not tomorrow.”

**“YOUR FUTURE IS CREATED BY WHAT YOU DO TODAY,
NOT TOMORROW.”**

DP