



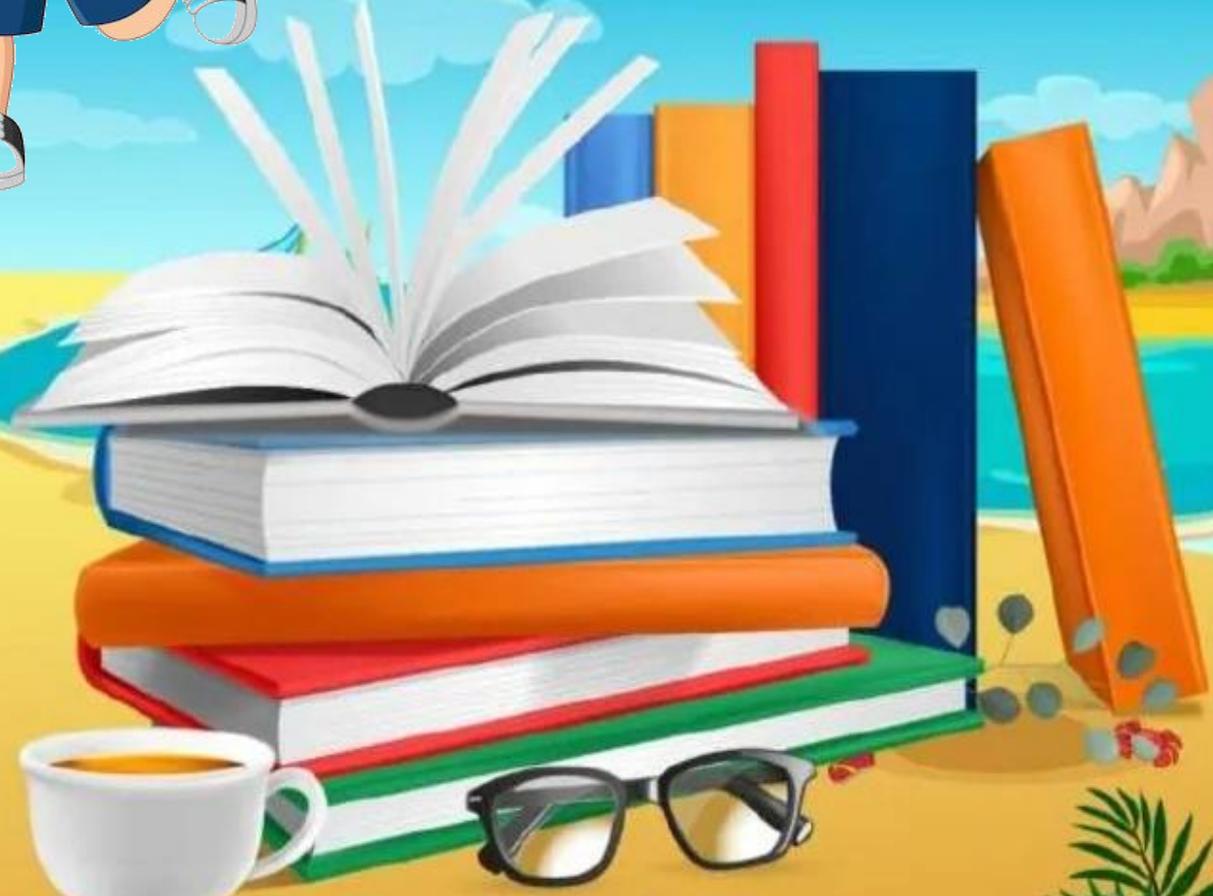
# HERITAGE CHILDREN ACADEMY

(Senior Secondary School Affiliated to CBSE, New Delhi)

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

## SESSION : 2025-26

# Summer Holiday Homework



## CLASS: XI

[www.heritagemilak.com](http://www.heritagemilak.com)



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 1<sup>st</sup> **June to 30<sup>th</sup> June, 2025 for Class XI.**

**GENERAL INSTRUCTIONS FOR ASSIGNMENT-**

- It is summer vacation time again, 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)

## ENGLISH

### PROJECT WORK

Write a story review of- Chapter 'The Portrait of a Lady' or 'The Summer of Beautiful White Horse' in about 200 - 250 words.

- Begin with the gist of the story.
- Then write how did you like the story and why?
- Then explain which part of the story you liked the most and why?
- Then mention which character is your favourite in it and why?
- And then the conclusion.

### RUBRICS:-

Presentation & Creativity	:	4 M
Content & Originality	:	4 M
Language and Accuracy	:	2 M

## HINDI

पाठ "नमक का दारोगा " के आधार पर उपन्यास सम्राट मुंशी प्रेमचंद पर एक प्रोजेक्ट फाइल तैयार कीजिए।

### RUBRICS

Presentation	:	3M
Content	:	5M
Neatness	:	2M

## MATHS

### ACTIVITY -01

OBJECTIVE - To find the number of subsets of a given set and verify that if a set has n number of elements then the total number of subsets will be  $2^n$

### ACTIVITY -02

OBJECTIVE - To represent set theoretic operations using Venn diagrams .

### ACTIVITY -03

OBJECTIVE - To verify the distributive law for three given non -empty sets A,B and C .

### ACTIVITY -04

OBJECTIVE - To distinguish between a relation and a function.

### ACTIVITY -05

OBJECTIVE - To interpret geometrically the meaning of  $I = \sqrt{-1}$  and it's integral powers

**Dear students do this activity in your lab manual.**

### RUBRICS

Presentation	:	3M
Content	:	5M
Neatness	:	2M

## PHYSICS

**Make a project file on any one topic**

- System of units
- Significant figures
- Dimensional analysis
- Motion in a straight line .
- Motion in a plane.
- Scalar and vector quantities.
- Projectile motion
- Force and laws of motion.
- Circular motion
- Work, energy and power.

### RUBRICS

Presentation	:	3M
Content	:	5M
Neatness	:	2M

## CHEMISTRY

**Make a Chemistry project atleast 10 to 15 pages for Chemistry practical. Topics are given below .**

- Laws of Chemical Combination
- Quantum Numbers
- Electronic Configuration
- Modern Periodic table
- Atomic Models of Atom.

### RUBRICS

Presentation	:	3M
Content	:	5M
Neatness	:	2M

## BIOLOGY

- Collect different type of plant parts (minimum 15) make herbarium file using herbarium sheet. And write about information related to these plants like scientific name, common name, collection date, place etc.
- Make a project file on atleast 10 different parts/products of plants which are used as home remedies for various ailments. Take the help of your mother or grandmother. One on each page.

### RUBRICS

Presentation	:	3M
Content	:	5M
Neatness	:	2M

## ACCOUNTANCY

### Rubrics:-

- Initiative, cooperativeness and participation 2 Mark
- Creativity in presentation 2 Mark
- Content, observation and research work 4 Marks
- Analysis of situations 2 Marks

### Give a list of options to the students to select a business form.

- A beauty parlour
- Men's wear
- A coffee shop
- Men's saloon
- Ladies wear
- A music shop
- A tailoring shop
- Kiddies wear
- A juice shop
- A canteen
- A Saree shop
- A school canteen
- A cake shop
- Artificial jewellery shop
- An ice cream parlour

After selection, advise the student(s) to visit a shop in the locality (this will help them to settle on a realistic amounts different items. The student(s) would be able to see the things as they need to invest in furniture, decor, lights, machines, computers etc.

- Take 20 business transactions of the business enterprise you have selected.
- Prepare the accounting equation from these transitions.
- Prepare journal entries of these transitions.

### Following essentials are required to be fulfilled for its preparation and submission.

- The total length of the project will be of 25 to 30 pages.
- The project should be handwritten.
- The project should be presented in a neat folder.
- The project report should be developed in the following sequence-

Cover page should include the title of the Project, student information, school and year.

### List of contents.

Acknowledgements and preface (acknowledging the institution, the places visited and the persons who have helped).

Introduction.

Certificate

Topic with suitable heading.

Planning and activities done during the project, if any.

Observations and findings of the visit.

Conclusions (summarized suggestions or findings, future scope of study).  
Photographs (if any)

## BUSINESS STUDIES

### RUBRICS:-

- Initiative, cooperativeness and participation 2 Mark
- Creativity in presentation 2 Mark
- Content, observation and research work 4 Marks
- Analysis of situations 2 Marks

### Roll number (1 to 10)

#### 1. Visit to a wholesale market vegetables/fruits/flowers/grains/garments etc.

The students are required to observe the following:

- a) Sources of merchandise.
- b) Local market practices.
- c) Any linked up businesses like transporters, packagers, money lenders, agents, etc.
- d) Nature of the goods dealt in.
- e) Types of buyers and sellers.
- f) Mode of the goods dispersed, minimum quantity sold, types of packaging employed.
- g) Factors determining the price fluctuations.
- h) Seasonal factors (if any) affecting the business.
- i) Weekly/ monthly non-working days.
- j) Strikes, if any- causes thereof.
- k) Mode of payments.
- l) Wastage and disposal of dead stock.
- m) Nature of price fluctuations, reason thereof.
- n) Warehousing facilities available\availed.
- o) Any other aspect.

### Roll number (11 to 20)

#### 2. Visit to a Departmental store

The students are required to observe the following:

- a) Different departments and their lay out.
- b) Nature of products offered for sale.
- c) Display of fresh arrivals.
- d) Promotional campaigns.
- e) Spaces and advertisements.
- f) Assistance by Sales Personnel.
- g) Billing counter at store – Cash, Credit Card/ Debit Card, swipe facility. Added attractions and facilities at the counter.
- h) Additional facilities offered to customers
- i) Any other relevant aspect.

### Roll number (21 to Last roll number )

#### 3. Visit to a Mall.

The students are required to observe the following:

- a) Number of floors, shops occupied and unoccupied.
- b) Nature of shops, their ownership status
- c) Nature of goods dealt in: local brands, international brands,
- d) Service business shops- Spas, gym, saloons etc.
- e) Rented spaces, owned spaces,
- f) Different types of promotional schemes.
- g) Most visited shops.
- h) Special attractions of the Mall- Food court, Gaming zone or Cinema etc.
- i) Innovative facilities.
- j) Parking facilities.

**Following essentials are required to be fulfilled for its preparation and submission.**

1. The total length of the project will be of 25 to 30 pages.
2. The project should be handwritten.
3. The project should be presented in a neat folder.
4. The project report should be developed in the following sequence-  
Cover page should include the title of the Project, student information, school and year.  
List of contents.  
Acknowledgements and preface (acknowledging the institution, the places visited and the persons who have helped).  
Introduction.  
Certificate  
Topic with suitable heading.  
Planning and activities done during the project, if any.  
Observations and findings of the visit.  
Conclusions (summarized suggestions or findings, future scope of study).  
Photographs (if any)

### ECONOMCIS

Develop a hand written project report on the topics given below.

Marking Scheme: Marks are suggested to be given as –

Effect on PPC due to various government policies	Invisible Hand (Adam Smith)
Opportunity Cost as an Economic Tool (taking real life situations)	Effect of Price Change on a Substitute Good (taking prices from real life visiting local market)
Effect on Equilibrium Prices in Local Market (taking real life situation or recent news)	Effect Price Change a Cornplernentar Good (taking prices from real life visiting local market)
Solar Energy, a Cost - Effective Comparison with Conventional Enegy Sources	Bumper Production- Boon or Bane for the Farmer
Any other newspaper article and its evaluation on basis of economic principles	Any other topic

## RUBRICS

- Relevance of the topic (1M)
- Knowledge Content/Research Work (3M)
- Presentation Technique (2M)
- Viva-Voce (4M)

Suggestive List of Projects is also given you can select any one topic:

Note: You can also choose the topic from the whole content of both the books or any other topic related to the Economy of the country.

## PHYSICAL EDUCATION

Dear Students, Please complete the given following task in your lab manual.

- Physical fitness test : 6 M
- Proficiency in games and sports (skill of any one game of choice from the Lab Manual : 7M
- Yogic practice : 7 M
- Record file : 5 M
- Games & sports/ yoga : 5 M

## COMPUTER SCIENCE

1. Write a program to accepts two integers and print their sum.
2. Write a program that accepts radius of a circle and prints its area.
3. Write a program that accepts base and height and calculate the area of triangle.
4. Write a program that inputs a student's marks in three subjects (out of 100) and prints the percentage marks.
5. Write a program to compute area of square and triangle.
6. Write a program to calculate simple interest.
7. Write a program to read two numbers and prints their quotient and remainder.
8. Write a program to find whether a given number is even or odd.
9. Write a program to find largest among three integers.
10. Write a program to find the lowest among three integers.

## RUBRICS

- Programs : 6 M
- Logic : 2 M
- Quality of Code : 2 M

## DRAWING

Complete your drawing file on the topic .

- |                                |                           |
|--------------------------------|---------------------------|
| Landscape (pencil shade)       | Human face (pencil shade) |
| Indian monument (pencil shade) | Bird (pencil shade)       |
| Composition                    | Landscape (water colour)  |
| Flower (watercolor)            | Still life (colour)       |
| Madhubani (colour)             | Warli art (colour)        |
| Learn Rajasthani school        | Learn Deccan School       |

## RUBRICS

- File : 5 M
- Theory : 5 M

## MUSIC

Create a project file exploring some Indian classical music instruments, their unique characteristics, origins, and cultural significance

Project Ideas:

Indian Classical Instruments:

Describe instruments like the sitar, tabla, or Violin, focusing on their distinct features, historical background, and cultural importance within Indian music.

### RUBRICS

Presentation	:	3M
Content	:	5M
Neatness	:	2M

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

\*\*\*DP\*\*\*