



# HERITAGE CHILDREN ACADEMY

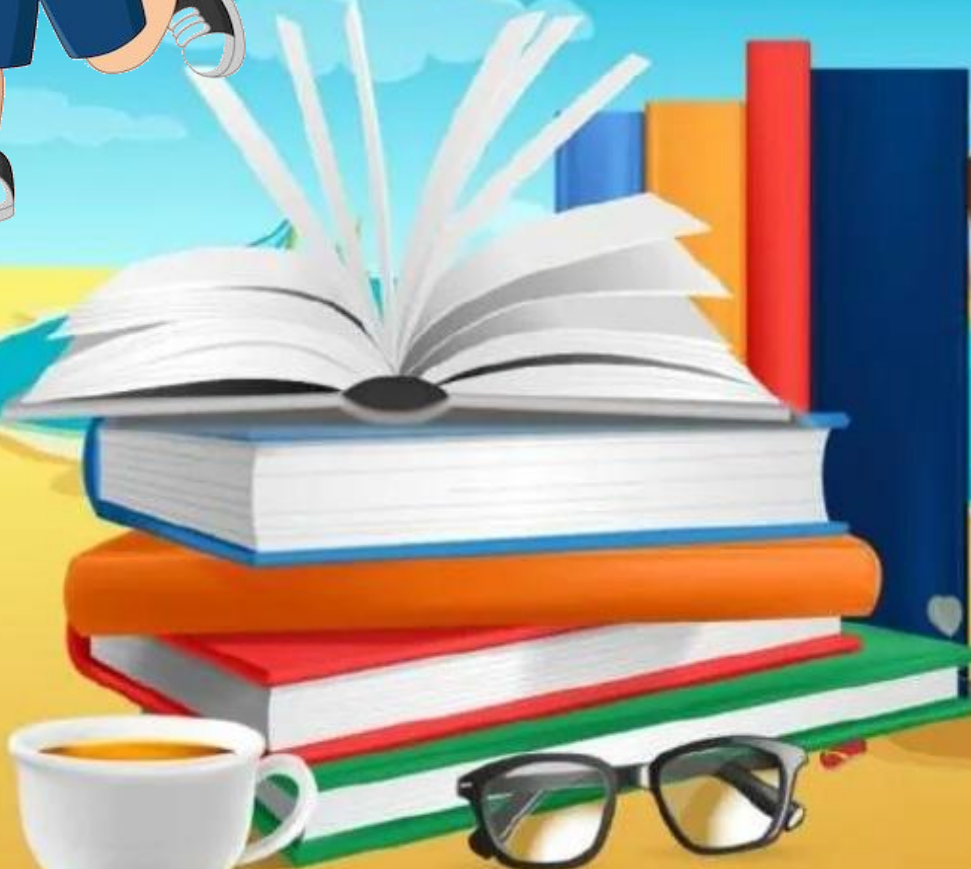
(Senior Secondary School Affiliated to CBSE, New Delhi)

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

**SESSION : 2025-26**



## Summer Holiday Homework



**CLASS: IX**

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



**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.

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**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

Q1. Read any one novel of your choice and do the following questions-

- Write about your favourite character in 100-120 words.
- Describe the theme in about 100 words.

Q2. Write 20 new words(from taught chapter) with their meanings and frame sentences with it.

### RUBRICS

Presentation	:	4 M
Content	:	4 M
Time duration	:	2 M

## HINDI

दिए गए बिंदुओं पर एक पोर्टफोलियो फाइल तैयार करें -

- स्वपरिचय
- मुझे हिंदी क्यों पसंद है?
- मेरी रुचि
- मेरे सपने
- " मेरे जीवन का लक्ष्य" विषय पर एक अनुच्छेद
- मेरी प्रिय मां पर एक स्वराचित लघु कथा लिखो।
- प्रधानाचार्य और छात्र के मध्य प्रवेश को लेकर संवाद लिखो।
- किसी भी विषय पर ई - मेल लिखिए।
- किसी भी विषय पर एक औपचारिक और एक अनौपचारिक पत्र लिखो।

### RUBRICS

Presentation	:	4 M
Content	:	4 M
Time duration	:	2 M

## MATHS

### Topic: Lines and Angles

- Working model on classification of polynomials.
- Verify experimentally if two lines intersect, then
- The vertically opposite angles are equal.
- The sum of two adjacent angles is  $180^\circ$ .
- The sum of all four angle is  $360^\circ$ .

### Material Required:

Cardboard, colourful sheets, Glue, pair of scissor.

Two transparent strips of equal length, a full protector, a nail, ruler, pencil and white paper.

### RUBRICS

Presentation	:	4 M
Content	:	4 M
Time duration	:	2 M

## PHYSICS

**Project Title:** "Measuring Speed of a Moving Toy Car"

**Objective:**

To measure the speed of a toy car and understand the relationship between distance, time, and speed.

**Materials Required:**

- Toy car (preferably with a constant speed)
- Measuring tape or meter scale
- Stopwatch or phone timer
- Chalk or masking tape (to mark start/end points)
- Notebook for data recording

**Procedure:**

1. Mark a straight path of known length (e.g., 3 meters) on the floor using chalk or tape.
2. Place the toy car at the start line.
3. Start the stopwatch the moment the car crosses the starting point.
4. Stop the stopwatch when the car crosses the finish line.
5. Record the time taken.
6. Repeat the experiment 3–5 times and take the average time.
7. Use the formula:

Speed = Distance / Time to calculate the average speed of the toy car.

Observations Table

For calculation of average speed

**RUBRICS**

Presentation	:	4 M
Content	:	4 M
Time duration	:	2 M

## CHEMISTRY

- Make a chemistry project report of atleast 06 to 08 pages.

**Topics of project report given below.**

- Comparative study of states of matter in daily life.
- "Effect of temperature and pressure on states change ".
- Evaporation in real life:Factors and applications ".

(Investigate how Evaporation helps in cooling, drying clothes, and its role in water cycle).

- Latent Heat: The hidden energy behind states change ".

(Explain the concept of Latent Heat through examples like melting ice, boiling water and discuss its importance).

**RUBRICS**

Presentation	:	03M
Contents	:	05M
Neatness	:	02M



## BIOLOGY

### Create an art integrated Project file on-

“Consider a cell, like your school. Each part of the cell (school) has responsibilities that must be done and certain organelles (people) to do them. Identify the functions of the following parts of the cell then identify which person does the same job. First one is done as an example to follow:

Part of school that has a similar function

- Cell membrane (front office)

### Function:

- Mitochondria
- Nucleus
- Ribosome
- Cytoplasm
- Golgi body
- Cell wall (only in plant cell)

### Note:-

- ❖ One cell organelle can perform more than one function. So write accordingly.
- ❖ Also draw the diagrams of each cell organelle in front of related person.
- ❖ Holiday homework should be on A4 size sheets and you can also use waste materials in this project. Project file should be of minimum 6 pages.

### RUBRICS

Presentation	:	4 M
Content	:	4 M
Time duration	:	2 M

## SOCIAL SCIENCE

Prepare a project file on Disaster management

Subtopics:- aims to reduce, or avoid the potential losses from hazards, assure prompt and appropriate assistance to victims of disaster, and achieve rapid and effective recovery.

### RUBRICS

Content	:	05 M
Presentation	:	03 M
Neatness	:	02 M

## INFORMATION TECHNOLOGY

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

- Data Entry and Keyboarding Skills.
- Digital Documentation
- Electronic spreadsheet
- Digital Presentation

## **RUBRICS**

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

Practical File	-	10 M
Viva Voce	-	05 M
Total	-	15 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.

## **PAINTING**

1. Complete your drawing file on the topics.

- \* Composition (Coloured)
- \* Landscape (Pencil Shade )
- \* Folk art (Coloured)
- \* Cubic Art

2. Learning Work

- \*Three Girls
- \*Principle and Elements of Arts

## **RUBRICS**

- \* 05 Marks for file
- \* 05 Marks for Theory

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

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