



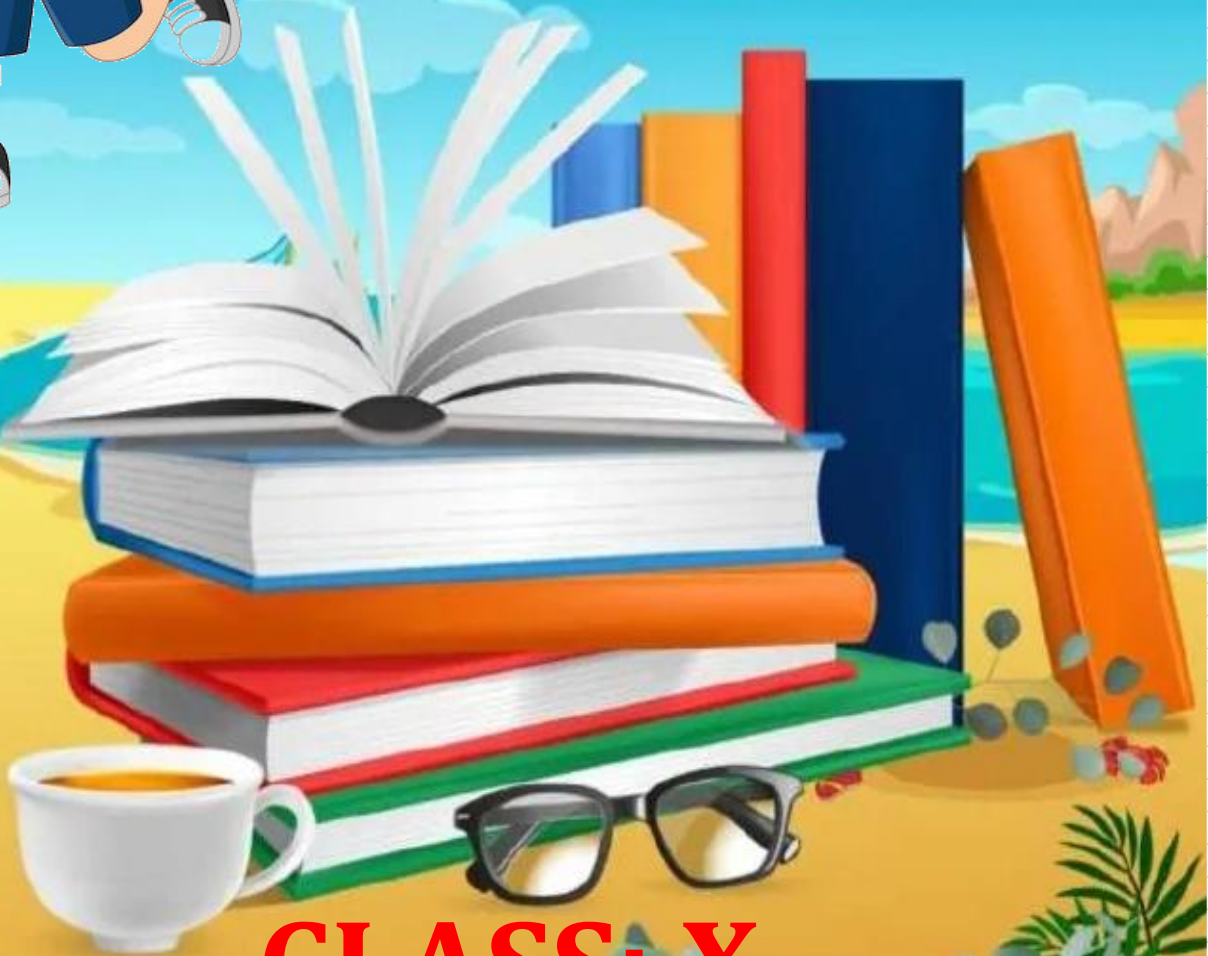
HERITAGE CHILDREN ACADEMY

(Senior Secondary School Affiliated to CBSE, New Delhi)

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

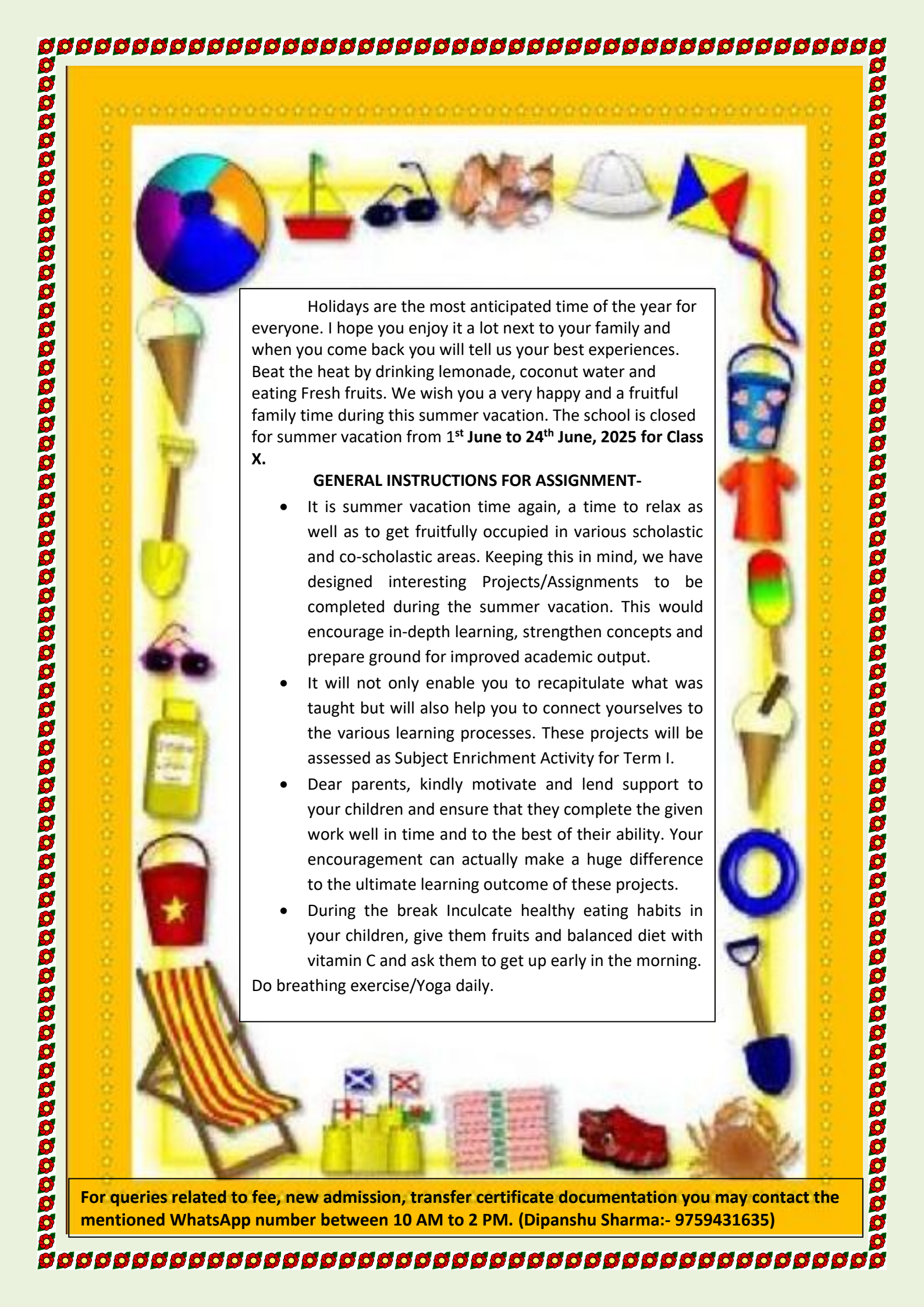
SESSION : 2025-26

Summer Holiday Homework



CLASS: X

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 1st June to 24th June, 2025 for Class X.

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

Qs- You know what a diary is and how to keep one. Can you keep a diary for a week recording the events that occur? You may share your diary with your class, if you wish to. Use the following hints to write your diary.

- Though your diary is very private, write as if you are writing for someone else.
- Present your thoughts in a convincing manner.
- Use words that convey your feelings, and words that 'paint pictures' for the reader. Be brief.

'Diary language' has some typical features such as subject less sentences (Got up late in the morning), sentence fragments without subjects or verbs (...too bad, boring, not good), contracted forms (they're, I've, can't, didn't, etc.), and everyday expressions which people use in speech. Remember not to use such language in more formal kinds of writing.

RUBRICS

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

HINDI

दिए गए बिंदुओं पर एक पोर्टफोलियो फाइल तैयार करें -

- स्वपरिचय
- मुझे हिंदी क्यों पसंद है?
- मेरी रुचि
- मेरे सपने
- मेरी स्वरचित कविता
- मेरे प्रिय कवि
- मेरी उपलब्धियां (प्रमाण पत्र की कॉपी चिपकाएँ)
- मेरे जीवन के लक्ष्य
- मेरी प्रिय कविता

RUBRICS

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

MATHS

Make a beautiful project on the given topic: (Select any one Topic)

- ii) The project should not be more than 15 written pages of A4 size sheet and should be hand written.
- iii) Project file should be beautiful and decorated and should be developed and presented in this order:

- COVER PAGE: Project title, Student's Name and class and section, school's Name and session
- List of contents with page no.
- Certificate page
- Acknowledgement
- Topic Content
- Summary and conclusion
- Bibliography

PROJECT:

- ON Real No.
- On Quadratic Equation
- On Trigonometry
- On Probability

RUBRICS

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

PHYSICS

1. Conduct a survey of 5 household electrical appliances. Note their power rating and calculate the energy consumed if used for 2 hours.
2. Make a working model or simulation of a simple electric circuit with resistors in series and parallel.
3. Prepare a short report (1-2 pages) on:
"How to reduce electricity consumption at home."

RUBRICS

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

CHEMISTRY

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

1. "Natural Indicators and Their Role in Identifying Acids and Bases"

(Study indicators like litmus, turmeric, red cabbage, and hibiscus; test various household substances).

2. "The Chemistry Behind Neutralization (Reactions in Daily Life"

Explore real-life examples such as antacid use, treating stings, and soil treatment using acids/bases).

3. "pH and Its Importance in Everyday Life"

[Create a report on how pH affects food, soil, health (stomach acid), and the environment (acid rain)]

4. "The Manufacturing and Uses of Common Salts"

(Explain how common salt is produced, its uses in food, industry, and its role in other chemical compounds like baking soda, washing soda, etc).

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RUBRICS

Creativity : 4M

Content : 4M

Time duration : 2M

BIOLOGY

Make a project on the topic "Brain":

Project Ideas

- Brain Model: Create a 3D model of the brain, labeling its different parts and functions.
- Functions of Brain Lobes: Research and create a project on the functions of different brain lobes (frontal, parietal, temporal, occipital).
- Neurotransmitters and Their Functions: Investigate and present on the role of neurotransmitters in the brain.
- Brain Disorders: Research and create a project on various brain disorders, such as Alzheimer's, Parkinson's, or depression.
- How the Brain Processes Information: Create a project illustrating how the brain processes information, including perception, attention, and memory.

Project Goals

- Understand Brain Structure and Function: Gain a deeper understanding of the brain's structure and function.

- Explore Brain-Related Topics: Explore various brain-related topics, such as neurotransmitters, brain disorders, or cognitive processes.
- Develop Critical Thinking: Develop critical thinking skills through research and analysis.

Tips

- Choose a Specific Topic: Choose a specific topic within the brain that interests you.
- Conduct Research: Conduct thorough research to gather accurate information.
- Use Visual Aids: Use diagrams, models, and other visual aids to make your project engaging and informative.

RUBRICS

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

SOCIAL SCIENCE

Prepare a project file on

Consumer rights

Subtopics: Who is consumer and what is consumer right?

Types of consumer

rights, Government measures, consumer courts.

OR

Sustainable development

Subtopics: needs and importance, principles of sustainable development, desired outcomes of sustainable development, and countries involvement in this process, Live examples of sustainable development.

RUBRICS

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

INFORMATION TECHNOLOGY

Describe the styles available in the Styles and Formatting Window for Writer and include a screenshot of the window.

LibreOffice.org provides the following style types:

- Page styles
- Paragraph styles
- Frame styles
- Character styles

- Numbering styles
- Cell styles
- Graphics styles
- Presentation styles

(Insert screenshot of the Styles and Formatting Window)

RUBRICS

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

Practical File	:	05 Marks
Viva Voce	:	05 Marks

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

DP