



D Y PATIL INTERNATIONAL SCHOOL, BOKARO

Vidya Yihar Complex, Talgaria Road, Alkusa-827013
(Affiliated to C.B.S.E, New Delhi, up to +2 level, Affiliation no. 3430753)

HOLIDAY HOMEWORK (SUMMER VACATION)

SESSION: 2026-27

<u>GRADE - XI/A</u>	
SUBJECT	TOPIC
CHEMISTRY	<ol style="list-style-type: none">1. Make a file with the Geometry (shape) of molecules in which the central atom has no lone pair of electrons and those having one or more lone pairs of electrons.2. Make a model of the Periodic Table based on Bohr's atomic model.3. Make a 3D model of the structure of atoms of some compounds having functional groups, such as benzaldehyde, propanoic acid, or any other.4. Make a working model of Chandrayaan or an automatic fire extinguisher.5. Draw neat, labeled charts on the laws of chemical combination and the classification of matter.6. Solve NCERT Q/A of Ch-1 & Ch-2 along with 30 MCQ-type questions for both chapters and learn them.
PHYSICS	<p>I. Prepare a report on "Multidisciplinary approach in Physics." (Examples include:)</p> <ol style="list-style-type: none">1. Physics, Mathematics & Artificial Intelligence2. Physics, Mathematics & Computing3. Physics with Medical Instrumentation4. Physics with Farm machinery & agriculture5. Physics with electromagnetic radiation & application in 5G technology <p>(Include :-</p> <ul style="list-style-type: none">• Front page• Acknowledgement• Index Page• Core content• Future scope• Bibliography <p>II. Revise Chapter No. 1 (Class XI). Revise all topics of Grade IX.</p>
BIOLOGY	<ol style="list-style-type: none">1. Prepare a chart on - Biodiversity conservation.2. Prepare a working or non-working model of - (a) water cycle (b) Human heart (c) T.S. of stem3. Make a collage for Five Kingdom classification.4. On an A4 size chart paper write the Taxonomic categories showing hierarchical arrangement.5. Write and learn 15-15 internal questions from ch - 1, 2 & 3.6. On a large chart paper draw or paste some eg of - (a) Algae, (b) Bryophytes, (c) Pteridophytes, (d) Porifera, (e) Mollusca etc, and write its name and features.

ENGLISH

Complete all the work neatly in an English notebook/project file.

Maintain proper handwriting and presentation.

Use coloured pens/pictures wherever required.

Submit the homework on the reopening day after summer vacation.

Section A – Reading & Literature

1. Chapter: The Portrait of a Lady

Activity:

Write a detailed character sketch of the grandmother in about 150–200 words.

Project Work:

Prepare a scrapbook or chart showing:

The changing relationship between the author and his grandmother.

Important stages of the grandmother's life.

Moral values reflected in the chapter.

Add suitable pictures and quotations.

2. Poem: A Photograph

Activity:

Answer the What has the cardboard photograph captured?

Why does the poet feel nostalgic?

Explain the phrase "Its silence silences."

What message does the poem convey?

Creative Task:

Write a short paragraph on: "Memories are the treasure of life."
(100–120 words)

3. Chapter: The Summer of a Beautiful White Horse

Activity:

Write the following:

Character sketch of Aram.

Character sketch of Mourad.

Describe the tribe and its values.

What moral lesson do you learn from the story?

Creative Writing:

Imagine you are Mourad. Write a diary entry describing your experience of riding the white horse.

Section B – Writing Skills

4. Classified Advertisement

Practice the following advertisements:

Situation Vacant

To Let

Sale and Purchase

Lost and Found

Write one classified advertisement of each type in proper format.

5. Poster Making

Design colourful posters on the following topics:

Save Environment

Say No to Plastic

Importance of Education

Water Conservation

(Use chart paper or A4 sheets.)

Section C – Vocabulary Enhancement

7. Vocabulary Task

Write:

10 new words from each chapter/poem.

Their meanings.

One sentence using each word.

Section E – Holiday Reading Activity

Read any one English storybook/novel during the vacation and write:

Name of the book

Author's name

	<p>Summary of the story Your favourite character and why you liked it (150–200 words) Submission Instructions Homework should be submitted in a well-maintained notebook/project file. Decorate the cover page creatively. Mention your Name, Class, Section, and Roll Number clearly. Happy Holidays & Happy Learning!</p>
<p>IP</p>	<p>Chapter 1 - Fundamental of computer/ Basics of Computer - Q.No1) Write the definition of following terms: Computer, CU, RAM, MU,ALU Q.NO2) What is difference between primary memory and secondary memory Q.No 3) Write different types of computer. Q.No4) Write any four examples of secondary memory. Q.No5) Write five units of measurement of computer memory.</p>