



LALA KAMLAPAT SINGHANIA EDUCATION CENTRE

Jhalrapatan, Jhalawar

HOLIDAY Homework

Session 2025-2026

Name: _____

Class - XII - Science



FOR THE PARENTS

Summer Vacations are here. A few vital suggestions are listed below to make the vacations more exciting and fruitful than ever before:

- ★ Keep at least half an hour a day for sharing experiences with your child.
- ★ Encourage your child to speak in English. Fix one hour in a day when you communicate with your child only in English.
- ★ Tell your child different stories regularly and encourage him to describe what he/she would do in a similar situation. Here are few suggested titles which you can read with your child.
 - a. Hare and the Tortoise
 - b. Emperor's New Clothes
 - c. Thumbelina
- ★ Let your child colour, draw, paint, play with water and sand etc.
- ★ Restrict his or her television watching, confining it to interesting children's programs, cartoon films, Discovery channel etc.
- ★ To improve the formation of letters, make your child write a page every day.
- ★ Develop self-help skills: Let your child dress and feed on his/her own.
- ★ Make him understand the importance of cleaning his room and putting away toys and belongings after use.
- ★ Take your child out for picnics and to other places of his/ her interest. Ask him/her to make a note of all the places he/ she visits and the things he/she sees so that he/she is able to discuss his/her experience in class after the vacation.

Have a nice time!

Dr. Manoj Kumar Singh
Principal

English Core

Project- Based Research Writing

Chapter Link: Journey to the End of the Earth by Tishani Doshi

Assignment Topic:

“Journey of Plastic” – A Research Paper (1000 words)

Inspired by the chapter Journey to the End of the Earth, write a research-based paper (approximately 1000 words) on the topic “Journey of Plastic”.

Your paper should explore:

- ✓ The life cycle of plastic – from production to disposal
- ✓ The movement of plastic through land and water bodies
- ✓ Its impact on ecosystems, especially marine and polar regions
- ✓ Current global challenges and solutions related to plastic pollution
- ✓ Your reflections on how this issue relates to the themes of the chapter

Guidelines to complete the task:

Dear students:

“You’ll write a research-based paper in about 1000 words. Don’t worry—we’ll do it in small parts. You’ll explore facts, ideas, and examples about plastic pollution and link it to what we read in the chapter.”

Follow this structure:

Use at least 3 credible sources (articles, documentaries, environmental reports, etc.) in the following way-

Introduction – What is plastic pollution? Why is it a global concern?

The Life Cycle of Plastic – From factory to trash.

The Global Journey – How plastic travels across oceans, affecting places like Antarctica.

Impact on Ecosystems – Wildlife, marine life, and human health.

Possible Solutions – How can we reduce the impact?

Conclusion – Your reflections and what you think can be done.

“Use 3 to 5 sources like articles, videos, or reports. Note the author, date, and website.”

National Geographic

WWF (World Wildlife Fund)

UN Environment

Clean Seas Campaign

“Don’t copy everything. Read and write down the important points in your own words. Make small notes for each section of your paper.”

“Start writing your paper using your notes. One paragraph for each section. Don’t aim for perfection. Just write.”

A sample paragraph starter:

“Plastic, one of the most used materials globally, has a journey that often ends in places where human activity is least expected—like Antarctica...”

Present your paper in a structured format with an introduction, body, conclusion, and bibliography

Maintain academic tone and originality

Neatly handwritten

Submission Date: First week after school reopens.

Biology

1. INVESTIGATORY PROJECT TOPIC STUDENTS WISE: -

SR. NO.	STUDENTS NAME	TOPIC
1	AAYUSHI RATHORE	TRANSLATION
2.	AKSHAT DASHORA	CANCER
3.	ANVI ACHARYA	HUMAN GENOME POJCT
4.	BHAVESH MANDOT	APPLICATION OF BIOTECHNOLOGY
5.	MOHAMMAD SAMAN	GENE THARAPY
6.	NADIM KHAN	DIABETES AND EXCERISE
7.	PIYUSH KUMAR LODHA	HUMAN EMBRYO DEVELOPMENT
8.	PRASIDDHI MATHUR	DNA/ DNA FINGER PRINTING
9.	PRIYASHA POSWAL	BIODIVERSITY IN INDIA
10.	RASHI SINGH	BIOTECHNOLOGY AND ITS APPLICATION
11.	TANUSHREE SUMAN	POLLINATION
12.	VAIDIKA SIKARWAR	STUDY OF INFERTILITY & ITS TREATMENT
13.	VISHNU YADAV	ALLERGY
14.	VAIDIDTIYA CHHITKAR	DRUG ADDICTION

GENERAL INSTRUCTIONS FOR THE STUDENTS: -

- Students should complete the project within 35-40 pages.
- Each & every page should be containing margin in all sides. No decoration is needed for this project.
- Diagram & paper cutting paste on demand.
- Organize your project report under the following headings.
 - AIM
 - INDEX
 - ACKNOWLEDGEMENT
 - CERTIFICATE INTRODUCTION
 - MATERIAL REQUIRED
 - PROCEDURE
 - OBSERVATIONS
 - RESULT (COMPARATIVE TABLE) AND CONCLUSION
 - SURVEY AIM
 - SURVEY QUESTIONNAIRE (MIN 25)
 - QUESTION WISE ANALYSIS OF SURVEY
 - CONCLUSION OF SURVEY
 - BIBLIOGRAPHY

5. Draw all the diagram of chapter 2 and chapter 3 two times in diagram practice copy.
6. Learn and solve the all-board question chapter 1 to 3 last 5 years.

Physics

Make a report on following topics. {any one}

1. To study various factors on which the internal resistance/EMF of a cell depends.
2. To study the variations in current flowing in a circuit containing an LDR because of a variation in
 - (a) The power of the incandescent lamp, used to 'illuminate' the LDR (keeping all the lamps at a fixed distance).
 - (b) The distance of an incandescent lamp (of fixed power) used to 'illuminate' the LDR.

Chemistry-

1. Make a project on following Cell/Battery.
 - a. Dry cell
 - b. Galvanic cell
 - c. Fuel cell

Physical Education

Complete physical education practical file. Record file shall include.....

- Fitness test administration. (SAI khelo india test)
- Procedure for Asanas, benefits and contraindication for any two asanas for each lifestyle disease.
- Any one IOA recognized sports/game of choice. Labelled diagram of field and equipment. Also mention its Rules, Terminologies and skill.

Painting

Complete Painting practical file on:

1. Any two still-life
2. Any one folk art
3. Any two landscape

Computer

1- Report file:

- ✓ Minimum 15 Python programs.
- ✓ SQL Queries – Minimum 5 sets using one table / two tables.
- ✓ Minimum 4 programs based on Python – SQL connectivity

2- Project (using concepts learnt in Classes 11 and 12)

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