

Lt. Col. Mehar Little Angels Sr. Sec. School
Holiday Homework (2024-25)
CLASS - IX

(The summer holiday homework is also available on school website i.e www.laps.in)

Dear Students,

Learning is the beginning of wealth.

Learning is the beginning of health.

Learning is the beginning of spirituality.

Searching and learning is where the miracle process all begins.

.....*Jim Rohn*

Holiday is the time that we all eagerly wait for. We all make plans to enjoy, to relax and to empower ourselves during these gala days. This summer vacation the Holiday Homework so designed by the mentors of the school is a medium for you all to achieve the motto of “**Fun and Learn**” The assignments are designed in a way to foster curiosity, develop creativity, enhance knowledge and instill the joy of learning among you all. They will certainly help you discover a new you who is more enriched and confident and performs every action to perfection.

GENERAL INSTRUCTIONS:

- Holiday Homework must be done in a very neat and presentable manner.
- Avoid cutting and overwriting.
- Creativity and Originality of work will be appreciated.
- Mention date and day when you do your work.
- Submit your holiday homework when the school re-opens.

➤ **For ART INTEGRATED PROJECT**

(i) The entire project for all subjects, has to be compiled in one Project file in the following sequence of subjects:

- English , Hindi , Math , Science , Social Science , IT

(ii) The cover of Project file must comprise of–

- a) School Name : Lt. Col. Mehar Little Angels Sr. Sec. School
- b) CBSE Art integrated project
- c) Name of student:
- d) Class /Section:
- e) Session: 2024-25

(iii) The first page of the Project file - Index

(iv) The Second page - Acknowledgment

(v) The Third page – Certificate, followed by the main content pages of the Project

(vi) Bibliography

Happy Holidays

ENGLISH LANGUAGE AND LITERATURE

Q1. Read the following books and write a **BOOK REVIEW** for **ANY ONE** that you liked the most. Make sure you include your personal response to the review.

Books:

1. Wings of Fire (by- A.P.J. Abdul Kalam)
2. Three Men in a Boat (by- Jerome K. Jerome)
3. The Diary of a Young Girl (by- Anne Frank)
4. The Stolen bacillus (by- H. G. Wells)
5. The Boy Who Harnessed the Wind (by- William Kamkwamba and Bryan Mealer)
6. Chicken Soup for the Teenage Soul on Tough Stuff: Compiled and edited by Jock Canfield, Mark Victor Hansen, Kimberly Kirberger.

HINTS:

*Name of the Book

*Author

*Summary

*Pick the most important aspect of the book and describe in your own words.

*Conclusion (your overall opinion about the book)

Q2. Write a paragraph on the following topics in about 100-120 words.

1. Evelyn Glennie
2. Bismillah Khan
3. Toto: A Mischievous Pet
4. Albert Einstein (Hints: Chapter 4 A Truly Beautiful Mind)
5. Dr.A.P.J. Kalam (Hints: Chapter 6 My Childhood)

Q3. Write the summary of the poems-

1. The Road Not Taken
2. Wind

Q4. Write the following poetic devices with examples- simile, Metaphor, Personification, Alliteration, Repetition, Imagery, Onomatopoeia, Irony, Oxymoron.

Q5. Write a diary entry expressing your thoughts and feelings when you went on an adventure trip during holidays. (word limit-120 words)

Q6. Story Writing.

Complete the following story. It has to be a scary story. Give a suitable title to your story.

“I stopped my bicycle in front of a dilapidated building. The sun was crimson on the horizon. A haggard skinny old man came towards me. “Don’t go in”, he whispered. “It’s dangerous”.....

Happy Holidays

Q7. Make a detailed chart on –

1. Determiners (Roll No. 1 to 10)
2. Modals (Roll No. 11 to 20)
3. Tenses (Roll No. 21 to 30)
4. Reported Speech (Roll No. 31 onwards)

Q8. Project Work

Now-a-days use of digital devices has increased and digital services have made our cash transactions easier and smoother. Government of India has taken initiatives to digitalise cash transactions to buy things and pay bills. There are various digital initiatives to make people use digital services like Paytm, UPI etc.

Take the project in groups of four to collect opinions of people on the use of digital services in their daily life. Develop an opinionnaire to collect opinions of about forty people in your neighbourhood. Divide the work among four to collect the opinions, tabulate the ideas and write a report about the use of digital devices.

Q9. Learn all the work from the chapters taught in class.

NOTE : ALL THE WORK HAS TO BE DONE ON A4 SHEETS AND KEPT IN A FOLDER.

हिन्दी

1) निम्नलिखित कार्य एक स्क्रेप फ़ाइल में कीजिए--

- 1) 'स्पर्श' पुस्तक के गद्य खंड के पाठ 'दुख का अधिकार' में से कोई 5-5 संज्ञा, सर्वनाम, विशेषण तथा क्रिया शब्द छांट कर उनकी सूची बनाएँ।
- 2) समाचार-पत्रों या पत्रिकाओं में से 2 चित्र चिपकाकर चित्र-वर्णन कीजिए।
- 3) 'स्पर्श' पुस्तक के गद्य खंड में से कोई 2 गद्यांश लिखकर उन पर रंगीन पैन से विराम – चिह्न लगाएँ।
- 4) निम्नलिखित विषयों में से किसी एक विषय पर भाषण लिखें तथा प्रतियोगिता के लिए कंठस्थ करें।
क) □□□□□□□□□□ : □□ □□□□□□ □□□□□□□□
ख) बाल – श्रम : एक अभिशाप
ग) प्रदूषण की समस्या – उत्तरदायी कौन ?
घ) यातायात के नियमों का पालन कितना ज़रूरी
- 5) एक लंबी कविता लिखें व उसे कविता-प्रतियोगिता के लिए कंठस्थ करें। (कविता स्वरचित भी हो सकती है)

2) 'बचेंद्री पाल' पर एक फ़ाइल में आकर्षक पोर्टफोलियो (निवेश-पत्र) तैयार करें, जिसमें उनके जीवन से संबंधित निम्नलिखित चित्र सहित जानकारी हो।

प्रथम पृष्ठ पर – हिन्दी 'निवेश पत्र' तथा अपना नाम, कक्षा व अनुक्रमांक लिखें।

द्वितीय पृष्ठ पर – लेखिका 'बचेंद्री पाल' का नाम लिखें।

तृतीय पृष्ठ पर – प्रमाण-पत्र लिखें।

चतुर्थ पृष्ठ पर – अनुक्रमणिका (विषय-सूची) लिखें।

अनुक्रमणिका (विषय-सूची) में निम्नलिखित विषय लिखें तथा उसी के अनुसार फ़ाइल में आकर्षक कार्य करें--

- 1) व्यक्तिगत जानकारी
- 2) पारिवारिक जानकारी
- 3) शैक्षणिक जानकारी
- 4) वैवाहिक जानकारी
- 5) विशिष्ट उपलब्धियाँ / पुरस्कार
- 6) पाठ के अनुसार लगाए गए सभी कैंपों का विवरण
- 7) पाठ में आपको क्या अच्छा लगा और क्यों?

Happy Holidays

MATHEMATICS

1. NCERT Exemplar- Do Chapter 1 and 2 exercises in separate thin register.
2. Make portfolio of the following topics-
 1. Roll No. 01 - 10 - Quadrilateral and theorem based on quadrilaterals
 2. Roll No. 11 - 20 - Polynomials and types of algebraic identities
 3. Roll No. 21 - 30 - Types of triangles and use of Herons formula to find area of triangles
 4. Roll No. 31 - 45 - Circle, parts of circle and theorems based on circle

SCIENCE

PHYSICS

1. Solve the numericals done in CW in your HW copy.
2. Draw any concept related topics on following topics on A3 sheet .

<input type="checkbox"/> Motion	<input type="checkbox"/> Work and energy
<input type="checkbox"/> Laws of motion	<input type="checkbox"/> Sound
<input type="checkbox"/> Gravitation	
3. Make portfolio on any one of the topic in syllabus.

<input type="checkbox"/> Motion	<input type="checkbox"/> Work and energy
<input type="checkbox"/> Laws of motion	<input type="checkbox"/> Sound
<input type="checkbox"/> Gravitation	
4. Make your practical file with 4 practical's written.
 - i) Verification of the Laws of reflection of sound.
 - ii) Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder.
 - iii) Establishing the relation between the loss in weight of a solid when fully immersed in
 - a) Tap water
 - b) Strongly salty water with the weight of water displaced by it by taking at least two different solids.
 - iv) Determination of the speed of a pulse propagated through a stretched string/slinky (helical spring)

CHEMISTRY

- Toxic elements are those which form soluble and bio available compounds that have no biological role and which are able to replace an essential element or disturb biological function.

Prepare a Portfolio on the topic **“The Most Toxic Elements on the Periodic Table”**

Topics to be included-

- a. Toxic elements- an overview
- b. The most toxic element to human body
- c. Detailed information about 5 most toxic elements
- d. Impact of toxic elements on environment and human health

Note : Use A4 size sheets and paste relevant pictures.

Happy Holidays

- Write the following Chemistry Practicals in Practical File.

1. Preparation of:

- (a) a true solution of common salt, sugar and alum
- (b) a suspension of soil, chalk powder and fine sand in water
- (c) a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these on the basis of transparency, filtration criterion, stability.

2. Preparation of

- (a) A mixture (b) A compound

using iron filings and sulphur powder and distinguishing between these on the basis of:

- (i) appearance, i.e., homogeneity and heterogeneity
- (ii) behavior towards a magnet
- (iii) behavior towards carbon disulphide as a solvent
- (iv) effect of heat

3. Perform the following reactions and classify them as physical or chemical changes:

- (a) Iron with copper sulphate solution in water
- (b) Burning of magnesium ribbon in air
- (c) Zinc with dilute sulphuric acid
- (d) Heating of copper sulphate crystals
- (e) Sodium sulphate with barium chloride in the form of their solutions in water

BIOLOGY

- 1- Complete the class register.
- 2- Do practice of diagrams given in chapter - The fundamental unit of life
- 3- Do back exercise of chapter - The fundamental unit of life.
- 4- Make the collage of different prokaryotic and eukaryotic organisms on A3 sheet.

SOCIAL SCIENCE

1. PROJECT FILE- DISASTER MANAGEMENT

- (a) Meaning of Disaster Management
- (b) Need to study Disaster Management
- (c) Different types of Disasters
- (d) From types of Disasters choose any one and write:
 - (e) Meaning
 - (f) Causes
 - (g) Do and Don'ts during the Disasters
 - (h) Measures taken by the government to overcome the disaster.
 - (i) Example of any one recent Disaster.
 - Name, place, causes
 - Measures taken by government.
 - (j) Conclusion
 - (k) Bibliography

Happy Holidays

2. PRESENTATION OF FILE

- (a) Cover Page – name, class, and section, roll number, session.
- (b) Topic
- (c) Acknowledgement
- (d) List of content- s.no. , topic, page no's
- (e) Introduction
- (f) Explanation
- (g) Pictures to be pasted on the left hand side and written to be done on right hand side.
- (h) Label the pictures and diagrams.

NOTE: All the work to be done on A-4 size plain white ivory sheet.

3. Make a beautiful atlas of all the maps given in History and Geography textbook.
4. Make a file on green revolution- its History, Measures adopted, Importance, Areas of country and Demerits.
5. Read and Revise all the chapters done in the class.
6. Prepare a Character Sketch of any one Historical Character (oral) For Class Activity.
7. Read the newspaper during the holidays and prepare for inter class newspaper quiz.

INFORMATION TECHNOLOGY

DIGITAL DOCUMENTATION

1. Draft a leave application for 3 days to your class teacher.
2. Using a word processor, write a letter to the publisher house, requesting him/her to send you a set of books by speed post.
3. Create a timetable of your class and apply the following formatting effects in Open Office Writer:
 - a. Merge cells
 - b. Add image and colour to a cell
 - c. Page colour and table border colour, designs.
4.
 - a. Make a list of (8-10) **LATEST GADGETS** using bullets and add few images accordingly
 - b. Make a list of (8-10) **SOFTWARES** using bullets and add few images accordingly.
5. Make posters on (Add shapes, images, use different styles, page colour, borders etc)
 - a. Design your Book Page Cover
 - b. Any top 5 Indian Entrepreneurs.
 - c. Summer Camp or Birthday Party Invitation using any software with your own creative ideas. (Refer the following samples.)

Happy Holidays



DIGITAL PRESENTATION

1. Prepare a presentation on Artificial Intelligence.
2. Prepare a Presentation on
 - a. Roll No. 1 - 15: Entrepreneurial Skills – Young Entrepreneur.
 - b. Roll No. 16 - 30: Cyber Crime and Cyber Safety.
 - c. Roll No. 31 onwards: Latest Gadgets in Technology.

Note: Make your presentation according to your roll numbers.

Make at least 12 -15 slides. Use the concept of Animation, Custom Animation, and Slide Transition, Insert Images, Insert table, use Word Art, Smart Art, Font Family, Charts etc.

Happy Holidays

ART INTEGRATED PROJECT WORK ON LAKSHADWEEP, ANDAMAN AND NICOBAR

ISLANDS

ENGLISH

1. Write a paragraph on culture, tradition, famous poets and authors, literature and languages spoken in Andaman and Nicobar islands and Lakshadweep (paste pictures related to it).

HINDI

- 1) अंडमान – निकोबार अथवा लक्षद्वीप की भाषा का विवरण और एक लोक-कथा चित्र – सहित लिखिए।
- 2) अंडमान – निकोबार अथवा लक्षद्वीप के लोगों के आभूषणों का एक नमूना (sample) रंगीन पेपर या अनुपयोगी वस्तुओं (waste material) द्वारा बनाइए।

MATHS

Make project showing area comparison, population and gender ratio of Lakshadweep Island.

SCIENCE

PHYSICS

Give a Google map location showing distance or displacement from:

- i) Delhi to Andaman and Nicobar
- ii) Delhi to Lakshadweep.

Also write a sheet about distance and displacement in general.

CHEMISTRY

Elaborate about-

1. Chemical composition of soil in Andaman and Nicobar Islands.
2. Chemical compounds found in the water of Lakshadweep Islands.

BIOLOGY

Discuss about – Current status of Organic Farming in Andaman and Nicobar Islands.

SOCIAL SCIENCE

Write the following information about Andaman and Nicobar Islands and Lakshadweep Islands:

Latitude, Longitude, Climate, Vegetation type and population, Literacy Rate and Male – Female Ratio, Compare both the Islands.

ECONOMICS

Discuss about poverty, unemployment, health and education status of Andaman and Nicobar Islands.

Happy Holidays