केन्द्रीय विद्यालय मुज़फ्फरनगर (प्रथम पाली)
ग्रीष्मकालीन अवकाश गृहकार्य

विषय – हिन्दी
कक्षा – नौ

- पढ़ाए गए पाठ्यक्रम को पढ़ें व याद करें तथा नोटबुक में पूर्ण करें।
- अपनी पाठ्यपुस्तक से किसी एक लेखक / कवि के विषय में परियोजना कार्य A4 साइज पेपर पर बनाए।
- पाठ्यक्रम से सम्बन्धित व्याकरण कार्य को समझे तथा नोटबुक में करें।
- 'योग और स्वास्थ्य' विषय पर चित्र सहित स्लोगन A4 साइज पेपर पर तैयार करें।
- ग्रीष्मकालीन अवकाश आप कैसे बिताएंगे?विषय पर A4 साइज पेपर पर अनुच्छेद लिखें।
- विद्यालय पत्रिका के लिए स्वरचित लेख, कविता A4 साइज पेपर पर लिखें।
- अपनी सेहत का ध्यान रखें और धूप में बाहर जाने से बचें।

नोट- उपर्युक्त गृहकार्य एक फोल्डर में रखकर विद्यालय खुलने पर अध्यापक के पास जमा करें।

HOLIDAY HOMEWORK
SUMMER VACATION (08.05.2026 to 16.06.2026)
CLASS – IX
SOCIAL SCIENCE

1. Map work (Label and locate states and union territories with their capitals on India Map and paste in your notebook)

2. Explain the scope of Social Science by describing Geography, History, Political Science, and Economics, and show how they overlap in real life.

3. Make a project on any two natural disasters

4. Make a project file on Arunachal Pradesh

HOLIDAY HOMEWORK
SUMMER VACATION (08.05.2026 to 16.06.2026)
CLASS – IX
YOGA

1- Practice the easy yoga postures (like Tadasana, Bhujangasana, Hasthutthanasana, Parvatasana, Vrikshasana etc) with light warm-up exercises with empty stomach in early morning along with your family members.

2- Practice of some pranayamas like Bhramari, Anuloma Viloma and Om chanting with gyan mudra. (Each 10 times with empty stomach in slowly manner).

3- Practice the Surya namaskar in serial wise. (2-4 rounds)

4- Read about the Sukshama Vyayama(light exercises joints movement) and practice it in early morning before yoga.

5- Read that what our ancient texts (like Patanjali yogsutra & Shrimad Bhagavad Gita) thought about the yoga.

6- Write a short note about your experience of daily yoga practicing during in your summer vacations.

HOLIDAY HOMEWORK
SUMMER VACATION (08.05.2026 to 16.06.2026)
CLASS – IX
SUBJECT: AERTIFICIAL INTELLIGENCE

Q1. Write ethical issues with AI.
Q2. Write principles of AI Ethics.
Q3. What is data and what is literacy?
Q4. What is data literacy?
Q5. Explain key components of data literacy with diagram.

Class - 9th

Mathematics Holiday Homework

1. Practice Problems

Chapter: Coordinate Geometry (NCERT)

1. In which quadrant or on which axis do the following points lie: $(-2, 4)$, $(3, -1)$, $(-1, 0)$, $(1, 2)$, and $(-3, -5)$?
2. Find the coordinates of a point which is at a distance of 5 units from the x-axis and 7 units from the y-axis.
3. If the coordinates of two points are $P(-2, 3)$ and $Q(-3, 5)$, then find $(\text{Abscissa of } P) - (\text{Abscissa of } Q)$.
4. Plot the points $A(2, 0)$, $B(2, 2)$, $C(0, 2)$, and $O(0, 0)$. Join OA, AB, BC, and CO. Name the figure so formed.
5. Find the area of the triangle formed by the points $A(2, 0)$, $B(6, 0)$, and $C(4, 6)$.
6. Write the coordinates of the point where the two axes intersect (Origin).
7. A point lies on the x-axis at a distance of 9 units from the y-axis to the left. What are its coordinates?
8. Plot points $P(1, 0)$, $Q(4, 0)$, and $S(1, 3)$. Find the coordinates of point R such that PQRS is a square.
9. What is the perpendicular distance of the point $P(3, 4)$ from the y-axis?
10. In the point (a, b), if $a > 0$ and $b < 0$, in which quadrant does the point lie?

Chapter: Sets (Advanced Mathematics)

1. If $A = \{1, 2, 3, 4\}$ and $B = \{3, 4, 5, 6\}$, find $A \cup B$ and $A \cap B$.
2. Define a Null Set and provide one example.
3. If a set S has 3 elements, how many total subsets does it have?
4. Write the set $A = \{x : x \text{ is an even natural number less than } 12\}$ in Roster Form.
5. If $U = \{1, 2, 3, ..., 10\}$ and $A = \{2, 4, 6, 8, 10\}$, find the complement of A (A').
6. Represent $(A \cup B)'$ using a Venn Diagram.
7. State whether the following set is finite or infinite: $\{x : x \text{ is a multiple of } 5\}$.

8. If $A = \{a, b, c\}$, write all possible subsets of A.
9. What is the intersection of two disjoint sets?
10. In a class of 50 students, 30 like Math and 20 like Science. If 10 like both, how many students like neither?

2. Project Work

(i) Create a colorful "Number System Tree"

- **Root:** Real Numbers
- **Branches:** Rational and Irrational Numbers
- **Leaves:** Natural Numbers, Whole Numbers, Integers, Terminating Decimals, and Non-terminating Repeating Decimals.

(ii) Coordinate Geometry Activity

Plot at least 10 points in all four quadrants to form a recognizable shape (e.g., a house, park, market, school, etc.).

(iii) Geometry in Real Life

Sketch or paste pictures showing real-life examples of Intersecting Lines and Parallel Lines.

HOLIDAY HOMEWORK CLASS 9TH

- Prepare a model on mitosis and meiosis using waste material.

  Or
- Prepare a model of DNA
- Draw neat and labelled diagrams of plant and animal cells on A4 sheets use colours to make a clear diagram.

Write a short report on rising cases of cancer in today's society. What could be the possible reasons. Collect news and articles showing the bad lifestyle changes that influence this issue.

Teacher- Asmita Malik
Tgt science

HOLIDAYHOMEWORK
SUMMER VACATION (08.05.2026to16.06.2026)
SUBJECT: ENGLISH
CLASS 9

1) Write a letter to Editor drawing their attention towards the rising problem of encroachment in your city
2) You are worried about the harmful effects of plastic pollution on the environment. Write a letter to the Editor suggesting measures to reduce plastic waste..

3) Make a poster for a "Career Mela" to be organised in your school.

4) Write an article on the topic" Skills creates vocations".

) Write a story beginning with " It was a beautiful lovely, morning....

6) Solve only grammar portion from 5 sample papers.

All this has to be done in fair notebook only.

Portfolio has to be prepared separately in a file in proper format, cover page.

8)Make a Mind Map of the chapter The Pot maker.

Include in Each Mind Map:

- Theme
- Characters
- Summary
- Important Message
- Literary Devices (for poems)

7) Prepare a Portfolio of Your Own

Include the following:

- Your name, class, section, and roll number
- Passport size photograph

- Personal details (hobbies, strengths, goals, achievements)
- Favourite book/author
- Learning goals for the year
- Self-introduction