



MHS DAV SR. SEC. SCHOOL AKHNOOR

HOLIDAY HOMEWORK FOR SUMMER VACATION

SESSION: 2025-26

CLASS: IX

Note: Marks scored in Holiday Homework will be included in your Internal Assessment marks.

SUBJECT: ENGLISH

1. Read the story-Iswaran the storyteller. Create a comic version of Iswaran the story teller
 - Make an interesting Cover Page.
 - Include dialogue writing
 - Companionship
 - Resourcefulness

Note: Make a portfolio
 2. Prepare a Scrapbook on Gulliver's Travel (Introduction about Author, theme, Character, Summary)
 3. Plan a Visit to the nearby interesting place. Make a travelogue of the same in a scrap file. Paste pictures and give a detailed description of that place.
- Revise the syllabus completed in April and May.**

SUBJECT: HINDI

1. दुख का अधिकार तथा गिल्लू पाठ में प्रयुक्त उपसर्ग (15) तथा प्रत्यय (15) छांटिए और उन्हें मूल शब्द से अलग कर लिखिए।
 2. एवरेस्ट पर चढ़ने वाले भारतीय पर्वतारोहियों की सूची तैयार कीजिए (चित्र सहित)। माउंट एवरेस्ट पर चढ़ने के लिए आवश्यक उपकरणों की सूची तैयार कीजिए (चित्र सहित) तथा चढ़ाई के दौरान आने वाली चुनौतियों तथा खतरों के बारे में जानकारी एकत्रित कर लिखिए।
 3. अपने आसपास पाए जाने वाले जीव जंतुओं और पक्षियों के खान-पान, रहन-सहन, विभिन्न ऋतुओं का उनके जीवन पर पड़ने वाले प्रभाव आदि बिंदुओं के आधार पर जानकारी एकत्र कर परियोजना कार्य तैयार कीजिए (चित्र सहित)।
 4. संस्मरण साहित्य क्या है? हिंदी साहित्य में किन-किन कवियों ने संस्मरण लिखे हैं तथा उनके द्वारा लिखे गए संस्मरणों के बारे में जानकारी एकत्रित कर लिखें।
- कक्षा में कराए गए कार्य की पुनरावृत्ति करें।**

SUBJECT: MATHS

1. Do the following activities on your practical notebook.
 - Activity 1- Construct a Square Root Spiral.
 - Activity 2- To verify the identity $a^3 - b^3 = (a-b)(a^2 + ab + b^2)$ geometrically using a set of unit cubes.
 - Activity 3- To find the value of abscissae and ordinates of various points given in a Cartesian plane.
2. Write down the Euclid's Definitions Axioms, Postulates with diagram and example (Refer chapter 5 from NCERT textbook).
3. Prepare the project on the topic assign to their roll number group:

Roll no. 1 to 16

Collect information from books, Internet etc. about different works done by Mathematician about π (pie) in different intervals of time. Also find relationship between π and circle.

Roll no. 17 to 32

Write the biography and contribution of Euclid.

Roll no. 33 to 47

Make a file project on Basic Geometrical Concepts. (Refer Chapter 6 from NCERT textbook).

4. Solve the given worksheet:
 - i. Show that $1.999\ldots$ is equal to 2.
 - ii. Find the value of $x^2 + 1/x^2$ when $x = 4 + \sqrt{15}$
 - iii. Find the value of a and b, if $\sqrt{3}-1 / \sqrt{3}+1 = a-b\sqrt{3}$
 - iv. If $x = 3 / 2$ is a zero of the polynomial $2x^2 + kx - 12$, then find the value of k.
 - v. If $x + y$ equal to 12 and $xy = 27$ find the value of $x^3 + y^3$
 - vi. If $a + b + c = 5$ and $ab + bc + ca = 10$ then prove that $a^3 + b^3 + c^3 - 3abc = -25$
 - vii. Factorise: $x^3 - 6x^2 + 11x - 6$
 - viii. Find the four solution of the given linear equation $3x - 2y + 6 = 0$
 - ix. In which quadrant or on which axis do each of the points $(-2, 4)$, $(3, -1)$, $(-1, 0)$, $(1, 2)$ and $(-3, -5)$ lie?
 - x. If $(1, -2)$ is a solution of the equation $2x - y = p$, then find the value of p.

Note : Do all the work on interleaf sheets and compile it into a file.

SUBJECT: SCIENCE

1. Explain Newton's three laws of motion on small notebook by giving two examples on each law (paste images of each example)
2. Make a 3D model of structure of atoms using cards, marbles, balls etc and explain the structure of atom in assignment sheets.
3. Differentiate between homogenous and heterogeneous mixtures with examples on a small notebook.
4. Make an attractive file of different cell organelles with their structure and functions.
5. Make 15 extra question from each chapter- The Fundamental Unit of Life and Is Matter Pure Around Us .

SUBJECT: SOCIAL SCIENCE

1. Prepare a portfolio on the given topic- " Physical Features of India".

Things to be kept in mind while doing the project:

- Use A-4 size file paper (one side ruled).
- Use blue ink to write your project.
- Design the cover page in such a way that it reflects your topic.
- Mention name of the topic, name, class, section, roll no. on the cover page.
- The project work should be maximum 10 pages.

2. Revise all the work done in the class.

3. ART INTEGRATED PROJECT

Compare terrain, spices and climate of Jammu and Kashmir with Tamil Nadu.

4. Watch 'Where do we go when seas rise?' – a documentary on BBC and write your analysis.

SUBJECT: IT

1. Write all the shortcut keys of Word on the chart/A4 size sheet.
2. Your school has organized Annual Day. Design the invitation card including the school name, and the events (format with borders, pictures etc.)

Instructions:

1. For Question 2: Design it and take the printout. Paste the printout on the left side of Practical file (A4 size sheets).
2. Sequence of the pages should be as follows:-
First page should contain “School name”, “Student name”, “Class/Section”, “Subject name”.