



MHS DAV SR. SEC. SCHOOL AKHNOOR

HOLIDAY HOMEWORK FOR SUMMER VACATION

SESSION: 2025-26

CLASS: X

Note: Holiday Homework will be assessed and included in your Internal Assessment marks.

SUBJECT: ENGLISH

- Q1. Read the novel 'The Diary of Anne Frank ' critically analyse the work.It must be in the following order.
- Exploring Anne Frank's life
 - Understanding the Diary
 - Creative assignment.
 - Further exploration
- Q2. Write down the theme and Poetic device of the following Poems:
- Dust of Snow
 - Fire and Ice
 - A tiger in the zoo
- Q3. Art-Integrated activity-Prepare an info graphic presentation of J&k and Tamilnadu-Cultural background, traditional dresses for men and women, Food habits,Festivals,Folk dance forms.

Note: Holiday homework should be done on A4 sheets.

Use two different files one for art Integrated activity and second for the other assignment.

SUBJECT: HINDI

- पाठ डायरी का एक पन्ना के आधार पर यह स्पष्ट होता है कि स्वतंत्रता आंदोलन में महिलाओं ने भी बढ़-चढ़कर हिस्सा लिया। स्वतंत्रता आंदोलन में निम्नलिखित महिलाओं ने जो योगदान दिया उसके बारे में संक्षिप्त जानकारी प्राप्त कर लिखिए।

सरोजिनी नायडू
अरुणा आसफ अली
कस्तूरबा गांधी

- बड़े भाई साहब तथा हरिहर काका पाठ में आए मुहावरों को छांट कर अर्थ सहित लिखिए।
- हरिहर काका पाठ के आधार पर बताइए कि भारत के वरिष्ठ नागरिकों के स्वास्थ्य, सुरक्षा, सामाजिक सुरक्षा तथा कल्याण को बढ़ावा देने के लिए सरकार ने क्या-क्या नीतियां अपनाई हैं। इनका उल्लेख करते हुए एक परियोजना कार्य तैयार कीजिए।
- संस्मरण साहित्य क्या है हिंदी साहित्य में किन-किन कवियों ने संस्मरण लिखे हैं उनके बारे में जानकारी देते हुए परियोजना कार्य तैयार कीजिए।
- दधीचि, रंतिदेव, करण और उशीनर आदि पौराणिक पात्रों के विषय में जानकारी एकत्रित कर उनके बारे में लिखिए।

कक्षा में कराए गए कार्य की पुनरावृत्ति करें

SUBJECT: MATHS

1. Do the following activities on your practical notebook.
 - **Activity 1-** To draw the graph of a quadratic polynomial.
 - **Activity 2-** To verify the Conditions of Consistency / Inconsistency for Linear Equations in two Variables by Graphical Method.
2. Write the biography of the following and write their contribution :
SHAKUNTALA DEVI..... (Roll no. 1-9)
RAMANUJAN (Roll no. 10-18)
ARYABHATTA..... (Roll no. 19-27)
BHASKARCHARYA..... (Roll no. 28-36)
3. Download and watch the movie '**The man who knew infinity**'. Write 10 things that you liked the most in the movie. Write two ideas which inspired you to study Mathematics.
4. Solve the given worksheet:
 - (i) Prove that $\sqrt{2}$, $\sqrt{3}$ and $\sqrt{5}$ are irrational.
 - (ii) The LCM of two prime numbers p and q ($p > q$) is 221. Then find the value of $3p - q$.
 - (iii) Sonia takes 18 minutes to complete one round of a circular track, while Ravi takes 12 minutes for the same. If they start together from the same point, after how many minutes will they meet again at the starting point?
 - (iv) If the sum of the zeros of the polynomial $x^2 - kx + 15$ is 5. Find the value of k .
 - (v) Find the zeros of the quadratic polynomial $x^2 + 5x + 6$ and verify the relationship between the zeros and the coefficient.
 - (vi) If a and b are zeros of the quadratic polynomial $x^2 - 6x + y$. Find the value of y if $3a + 2b = 20$.
 - (vii) For which value of k will the following pair of linear equations have no solution
 $3x + y = 1$
 $(2k-1)x + (k-1)y = 2k+1$
 - (viii) Solve the given equations algebraically:
 $32x + 33y = 34$
 $33x + 32y = 31$
 - (ix) Find the value of m for which the quadratic equation $(m-1)x^2 + 2(m-1)x + 1 = 0$ has two real and equal roots.
 - (x) In a flight of 2800 km, an aircraft was slowed down due to bad weather. Its average speed is reduced by 100 km per hour, and by doing so, the time of flight is increased by 30 minutes. Find the original duration of the flight.

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

SUBJECT: SCIENCE

1. Make a working model using waste materials like cardboard, charts and other scrap material (any one):
Circulatory system
Respiratory system
Excretory system
2. Draw and explain all the 16 ray diagrams of light chapter on assignment sheets. Assignment must be well decorated.
3. Make a molecular structure (structural formula) of any one of the following compounds :
Sodium chloride, chlorine, Ozone and magnesium chloride using house hold items and waste material.
4. Make acid base indicator at home and write down how these indicators changes colour in different items at home like lemon juice, baking soda ,tea ,coffee salt water, sugar solution, vinegar and record observation of following in an assignment file.
6. Make 30 extra questions from Chapter- Life Processes (10 MCQ's based questions, 10 very short answer type questions and 10 short answer type questions).

SUBJECT: SOCIAL SCIENCE

1. Prepare a portfolio on any of the given topics:
 - (i) Sustainable Development
 - (ii) Consumer AwarenessThings 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. Prepare a power point presentation on **GLOBALISATION** with the help of History and Economics books. The activity will be done in groups of 5 and each group will have to prepare 1 presentation together.
3. **ART INTEGRATED PROJECT**
Compare mineral resources found in Jammu and Kashmir with Tamil Nadu. Also, find out about any one local issue in the state of Jammu and Kashmir as well as Tamil Nadu.
4. Revise all the work done in the class.

SUBJECT: IT

1. Create a Digital Storybook.
2. Your school has organized Annual Sports Day. Design the certificate including the school name, Participant name, position and the event (format with borders, pictures etc.)

Instructions:

1. For Question 1: Bring it in CD.
2. For Question 2: Design it and take the printout.
3. Paste the printout on the left side of Practical file (A4 size sheets).

Sequence of the pages should be as follows:-

- i) First page should contain "School name", "Student name", "Class/Section", "Subject name".
- ii) Put your CD inside transparent cover and paste it on the Second page.