



D.A.V POLICE PUBLIC SCHOOL, PANCHKULA



SUMMER HOLIDAY HOMEWORK

CLASS X SESSION – 2023-24

'Let all your worries and stress go away this summer and enjoy every minute of it.'

Dear children,

With summer heat on, it's time for much awaited summer vacation. It is time for you to unwind, relax and find time to do things you enjoy the most. You can utilise the leisure time to enhance your existing skills or learning new ones and develop new and interesting hobbies as well. It is also an excellent opportunity to become friends with books.

You are full of potential and promise to gear up and spread your imagination and use these holidays to further enhance your skills and personality.

The holidays work has been planned to help you to not only revise the concepts already learnt but also to explore and stretch your knowledge.

Here are some tips for summer break.

1. Follow a routine. Avoid sleeping at irregular times.
2. Enjoy summer fruits, nutritious food and drink lots of water.
3. Stay safe indoors.
4. Observe things around the environment.
5. Help your parents with household chores.

ENGLISH

• **LEARNING WORK –**

Memorise chapter – Two Stories About Flying, Chapter- The Thief's Story and Poem – A Tiger in the Zoo. Practice Formal Letter Writing for the upcoming Unit Test- II.

- Practice and Complete BBC Compacta **Module One(Reading)- Homework Assignments-** 1, 2, 3, 4, 5; **Module Two-Writing I-Homework Assignments-** 16 17, 18.
- Make a Scrap File by cutting and pasting **News Articles** from English Newspaper from **11 June 2023 to 30 June 2023**.
- Make a A3 size Chart of **POETIC/LITERARY DEVICES** used in Literature with examples.
- Read **The Alchemist by Paulo Coelho** and make book review of not more than 15 pages. Book review must include book cover, about the author, chapter wise summary, your opinion and your rating to the content.
- Watch **THE FUTURE OF THE FOOD** (2004 American Documentary film) and write a movie review.

- **ART INTEGRATION:** Make a documentary on comparative study of wedding rituals of Manipur and Haryana.

WARNING: YOUR TEACHER IS AWARE OF YOUR WRITING SKILLS AND SMARTNESS SO BETTER DON'T COPY CONTENT FROM INTERNET AS IT WILL NOT DO ANY GOOD TO YOU

HINDI

Learning work

- (1) Learning work
- (1) 3-6-2023 तक जितने पाठ कक्षा में लिखवाए गए है उनके प्रश्नोत्तर याद करें | गद्य भाग व पद्य भाग
- (2) प्रतिदिन एक पेज सुलेख के रूप व प्रतिदिन एक पेज डायरी के रूप में लिखें |
- (3) आपकी छोटी बहन या छोटा भाई छात्रावास (हॉस्टल) में रहता है/रहती है उसकी पढाई लिखाई के सम्बन्ध में उसे एक पत्र लिखें |

Project work

- (4) मीठी वाणी /बोली सम्बन्धी व ईश्वर प्रेम सम्बन्धी दोहों को अपनी आवाज में रिकॉर्ड कर उसका लिंक बनाकर उसे विषय अध्यापक के व्हाट्सएप पर भेजें |
- (5) बिहारी के दोहों को केलेनरी लेखन तरीके से लिखें |
- (6) अनुक्रमांक 1 से 8 पाठ बड़े भाई साहब पर P.P.T बनाएँ , अनुक्रमांक 9 से 16 पाठ डायरी का एक पन्ना पर P.P.T बनाएँ , अनुक्रमांक 17 से 24 कबीर की साखी पर P.P.T बनाएँ , अनुक्रमांक 25 से 32 मीरा के पद्य पर P.P.T बनाएँ |
- (7) स्वतंत्रता आन्दोलन में जिन आन्दोलनकारियों ने भाग लिया उनपर आधारित डॉक्यूमेंटरी डॉक्यूमेंटरी बनायें |
- (8) भगवान विष्णु के दस अवतार माने जाते है जिन में राम और कृष्ण प्रमुख हैं दस अवतारों के बारे जानकारी प्राप्त करें और वे नाम क्यों पड़े इस पर फ्लो चार्ट बनायें |

Art Integration Activity

- (9) हरियाणा के और मणिपुर के लेखक व कवियों और उनकी रचनाओं पर स्क्रैप फाइल के रूप में प्रोजेक्ट बनाएँ |

PUNJABI

1) DO CREATIVE WORK ON FOLLOWING TOPICS

- ਵਿਆਕਰਣ ਮੇਲਾ (FROM ROLL NO 1 TO 6)
- ਫੁਲਕਾਰੀ ਤੇ ਮੰਦਲਾ ਕਲਾ (FROM ROLL NO. 7 TO 12)
- ਰੰਗਲੇ ਪੰਜਾਬ ਅਤੇ ਅੱਜ ਦੇ ਪੰਜਾਬ ਦੇ ਫਰਕ ਨੂੰ ਚਿੱਤਰ ਦੁਆਰਾ ਦੱਸਣਾ (FROM ROLL NO 13 TO 18)
- ਪੰਜਾਬ ਨਾਲ ਸਬੰਧਤ ਦੋਸ ਭਗਤਾਂ ਦੇ ਚਿੱਤਰ ਬਣਾਉਣਾ (FROM ROLL NO 19 TO 24)

2) LEARNING WORK –

ਜਮਾਤ ਵਿੱਚ ਕਰਵਾਇਆ ਗਿਆ ਸਾਰਾ ਕੰਮ ਰੱਫ ਕਾਪੀ ਵਿੱਚ ਲਿਖ ਕੇ ਯਾਦ ਕਰੋ।

- 3) ਪੰਜਾਬੀ ਪਾਠ ਪੁਸਤਕ ਦਾ ਪਾਠ ਪਹਿਲਾ, ਦੂਜਾ, ਤੀਜਾ, ਚੌਥਾ ਅਤੇ ਪੰਜਵਾਂ ਅਭਿਆਸ ਸਮੇਤ ਚੰਗੀ ਤਰਾਂ ਯਾਦ ਮਾਰੋ
- 4) ਰੋਜ਼ਾਨਾ ਅਖਬਾਰ ਪੜ੍ਹੋ ਤੇ ਉਸ ਵਿੱਚੋਂ ਦੱਸ ਸ਼ਬਦ ਨਾਂਵ ਚੁਣ ਕੇ ਰੋਜ਼ਾਨਾ ਲਿਖੋ।
- 5) ਹਰਿਆਣਾ ਅਤੇ ਪੰਜਾਬ ਦੇ ਪਹਿਰਾਵੇ ਦੀ ਤੁਲਨਾ ਚਿੱਤਰਾਂ ਦੀ ਮੱਦਦ ਨਾਲ ਕਰੋ।

SANSKRIT

- (1) प्रथमः पाठः (शुचिपर्यावरणम्) इति विषयमधिकृत्य सर्वान् श्लोकान् अर्थसहितम् लिखित्वा स्मरन्तु –
- (2) एतत्, तत् एवम् किम् शब्दानाम् रूपाणि त्रिषु लिङ्गेषु लिखन्तु स्मरन्तु च –

- (3) अस्मद् एवम् युष्मद् सर्वनामशब्दानाम् रूपाणि लिखन्तु स्मरन्तु च –
- (4) भू, पठ्, गम्, अस् (पञ्चलकारेषु) एवम् सेव्, लभ् (आत्मनेपदी) केवलम् लट् लङ्ग व लृट् लकारेषु लिखन्तु स्मरन्तु च –
- (5) 'व्यायामस्य लाभाः' इति विषयमधिकृत्य पञ्चवाक्येषु 'संस्कृतभाषायाम्' एकम् अनुच्छेदं लिखत ।
- (5) कक्षायाम् पठितपाठान् पुनरावृत्तिकार्यम् कुरु

MATHEMATICS

CHAPTER 1

- $\sqrt{2}, \sqrt{3}, \sqrt{7}$, etc. are _____ numbers.
- A rational number can be expressed as terminating decimal when the factors of the denominator are _____.
- What is the HCF of the smallest composite number and smallest prime number?
- If $HCF(336, 54) = 6$, find $LCM(336, 54)$
- Explain why $3 \times 5 \times 7 + 7$ is a composite number?
- Prove that $\sqrt{5}$ is an irrational number
- Show that $2\sqrt{3} - 5$ is irrational.

CHAPTER: 2

- If zeroes of $p(x) = 2x^2 - 7x + k$ are reciprocal of each other, then value of k is-----.
- If 2 is a zero of the polynomial $x^3 - 3x^2 + x + a$ then the value of a is-----.
- If one of the zero of the polynomial $f(x) = (k^2 + 4)x^2 + 13x + 4k$ is reciprocal of the other then find the value of k .
- Find a quadratic polynomial whose roots are 2, and $-1/2$.
- Find the sum and product of the zeros of the polynomial $9x^2 - 5$.
- If α and β are zeros of $p(x) = 2x^2 - x - 6$, then find the value of $\alpha^{-1} + \beta^{-1}$
- Find zeroes of the Polynomial $p(x) = 4x^2 + 5\sqrt{2}x - 3$ & verify relationship between the zeroes and the coefficient of the polynomials.

CHAPTER 3:

- Determine the value of k so that the following pairs of equations are inconsistent
 $(3k + 1)x + 3y - 2 = 0$, $(k^2 + 1)x + (k - 2)y - 5 = 0$
- If 1 is added to each of the given two numbers, then their ratio is 1:2. If 5 is subtracted from each of the numbers, then their ratio is 5:11. Find the numbers.
- Ankita travels 14 km to her home partly by rickshaw and partly by bus. She takes half an hour if she travels 2 km by rickshaw and the remaining distance by bus. On the other hand, if she travels 4 km by rickshaw and the remaining distance by bus, she takes 9 minutes longer. Find the speed of the rickshaw and of the bus.

CHAPTER 4

- Find the values of k for which the quadratic equation $(k + 4)x^2 + (k + 1)x + 1 = 0$ has equal roots.
- A train travels at a certain average speed for a distance of 63 km and then travels a distance of 72 km at an average speed of 6 km/h more than its original speed. If it takes 3 hours to complete the total journey, what is its original speed?
- Sum of the areas of two squares is 468 m^2 . If the difference of their perimeters is 24 m, find the sides of the two squares

NOTE: Paste the worksheet in maths notebook and solve it.

Model: Make model on Linear Equation in two Variables that shows consistent and inconsistent solutions.

Lab. Manual: Do complete activities of Chapter 1, 2, 3 and 4

Art Intergrated Project: Compare the objects of day-to-day Three-Dimensional or Sculptural Activities used in different settings and arrangements. Form a frequency distribution table and present the data graphically.

SCIENCE

ACADEMIC PROJECTS-MODELS:

- HUMAN DIGESTIVE SYSTEM- Roll No.: 1-5
- HUMAN EXCRETORY SYSTEM – Roll No. : 6-10
- DOUBLE CIRCULATION - Roll No.- 11-15
- PERIODIC TABLE 3D – Roll No. – 16-20
- HUMAN EYE MODEL – Roll No. – 21-25
- HUMAN HEART – Roll No. – 26-30

LEARNING WORK

- Learn and revise chapter-1,2,6,10
- Learn NCERT Questions and solve Previous year Questions of chapter-1,2,6,10 in class notebook.

WORKSHEETS:

- Do worksheets of chapter-1,2,6,10 in your class notebook.
NOTE: Pdf of worksheets will be provided in class group.

SOCIAL SCIENCES

LEARNING WORK

SUBJECT	CHAPTERS
HISTORY	CH- Rise of Nationalism in Europe
GEOGRAPHY	CH- Resources and Development CH- Forest and Wildlife CH- Water Resources CH- Agriculture
ECONOMICS	CH- Development

PROJECT WORK: - To prepare “project file” on the following topics-

Consumer Awareness/ Sustainable Development/ Social Problem

TO NOTE: - The above mentioned topics have been assigned in the class and is duly mentioned in the school diary.

ART INTEGRATION PROJECT: - To prepare a scrap file and write brief history of “Folk” dances of Manipur and its differences with folk dances of Haryana state.

MUSIC

1. Shanti path
2. National Anthem without any mistake
3. Learn (Om hi sari srishti ka aadhar hai)
4. Learn DAV anthem
5. learn Vande matram
6. Gayatri mantra and sa re ga ma on harmonium
7. learn Any one patriotic song out of three
 - A. Aye mere watan ke logon
 - B. Mere desh ki dharti
 - C. Jahan daal daal par sone ki

ART

- Draw abstract art size A3
- Draw one traditional art size A3 in drawing file.
- Make one collage art
- Draw one stripping (dot work) art

COMPUTER

- Your school is organizing a trip to Kullu Manali. Make an attractive travel plan in MS word and take its print out.
- Create a presentation on topic “ How is digital learning changing school education.”