



D.A.V. POLICE PUBLIC SCHOOL FATEHABAD



Dear Parents / Students,

Leisure, often synonymous with free time, emphasizes freedom and choice. Holidays provide an opportunity to spend time with loved ones and pursue hobbies, but an extended break from work can lead to setbacks. Maintaining a balance between leisure and studies is crucial for a fulfilling break. Integrating fun learning experiences can make holidays more interesting and impactful. The holiday homework aims to inspire exploration, engagement, and experiential learning, enhancing the holiday spirit. By completing these assignments with positivity, you'll develop the life skill of balancing work and play, making life more enjoyable.

Best wishes for a happy holiday!

THANKS & REGARDS

PRINCIPAL

DAVPPS FATEHABAD

Class X

English

1. FRAMING A QUESTIONNAIRE

How to do: Imagine yourself as a reporter attending the inaugural ceremony in South Africa. Prepare a set of 10 questions that you would ask Nelson Mandela on being elected as South Africa's first black president.

Where to do: A-4 size sheet

2. Prepare a portfolio on Letter to Editor, Placing order, Cancelling order ,letter of enquiry and Analytical Paragraph

3. “Art Integration

Project on the topic “Ek Bharat Shreshtha Bharat”

Make a project finding information about any four famous writers of Punjab.

4. Do revision of Unseen Passage, Writing section and grammar topics: Tenses, Modals, Editing Errors and Gap filling in Workbook.

5. Revise the complete syllabus of months April and May for Unit test 1.

Speaking Skills

6. Prepare a speech on any one of the following topics: (3 to 4 minutes)

* The Benefits of Learning a Second Language.

* The Effects of Climate Change.

* The Role of Technology in Education

Hindi

उद्देश्य-रचनात्मक अभिव्यक्ति, कलात्मक अभिव्यक्ति, रुचिपूर्ण कार्य, भावनात्मक अभिव्यक्ति, खोज-बीन की प्रवृत्ति, स्वाध्याय की प्रवृत्ति !

1) परियोजना कार्य-

आज के ग्राम्य जीवन के विषय में कुछ तथ्यात्मक जानकारी एकत्र कीजिए व सचित्र उनका वर्णन कीजिए।

अथवा

देश के प्रसिद्ध नेता सुभाष चन्द्र बोस के जीवन व स्वतंत्रता संग्राम में उनके योगदान के विषय में कुछ सूचनाएँ एकत्र करें व सचित्र विवेचना करें।

2) पत्र लेखन-किसी महत्वपूर्ण पत्र के प्राप्त न होने की शिकायत करते हुए अपने क्षेत्र के पोस्ट मास्टर को एक पत्र लिखिए।

3) अनुच्छेदलेखन-स्वच्छ भारत अभियान (सचित्र)

4) अभ्यासकार्य-

• प्रतिदिन हिंदी के पाँच शब्दों का अर्थ लिखकर उनका वाक्य प्रयोग करें।

* प्रतिदिन एक पेज पढ़ने का अभ्यास करें तथा हिंदी समाचार सुनें।

*कविता 1,2 पाठ 1,2 क्षितिज, पाठ 1 कृतिका की पुनरावृत्ति करें।

Mathematics

• Project on any one topic of following –

- (a) Pair of Linear equations in two variables
- (b) Real Numbers
- (c) Quadratic equations
- (d) Polynomial

• Portfolios on one topic - (a) Vedic maths (b) uses of maths in real life

• Learn and write square of 1 to 30

• Solve Examples of all chapters - 1 to 5 .

• Complete lab manual activities : 1 to 5

• Solve given worksheet –

(1) Find the least number of square tiles required to pave the ceiling of a room 15 m 17 cm long and 9 m 2 cm broad

(2) Find the smallest number which when divided by 28 and 32 leaves remainders 8 and 12 respectively.

(3) Is it possible to have two numbers whose HCF is 18 and LCM is 760 ?

(4) Find the greatest possible length which can be used to measure exactly the length 7 m , 3 m 85 cm and 12 m 95 cm .

(5) Prove that $5 - \sqrt{3}$ is irrational number

(6) Find the zero's of the polynomial $f(x) = x^2 - 2$ and verify the relationship between Zeros and coefficients.

(7) Solve the Quadratic equations by factorisation method $\sqrt{3}x^2 + 8x + 4\sqrt{3}$

(8) If $(x + a)$ is a factor of the polynomial $2x^2 + 2ax + 5x + 10$, then find value of a.

(9) If the zeros of the polynomial $f(x) = x^3 - 3x^2 + x + 1$ are $(a - b)$, a and $a + b$, then find a and b .

(10) If m and n are the Zeros of the cubic polynomial $2x^2 + 5x + k$ such that $m^2 + n^2 + mn = 21/4$, then find k.

(11) Find the common difference of the A.P. $-1/p, (1-p)/p, (1-2p)/p, \dots$

(12) Find the next term of A.P. $\sqrt{7}, \sqrt{28}, \sqrt{63}, \dots$

- (13) How many three digits numbers divisible by 9 ?
- (14) Find the Sum of the following $-(1-1/n)+(1-2/n)+(1-3/n)+\dots$ up to n th term.
- (15) If the sum of first p th terms of an A.P. is $(a p^2 + b p)$, find its common difference .
- (16) If the sum of the first p th terms of an A.P. is the same as the sum of its first q th terms , then show that the sum of its first (p + q) th terms is zeros
- (17) Divide 32 into four parts which are the four terms of an AP such that the product of the first and fourth terms is to the product of the second and third terms as 7 : 15 .
- (18) Find the value of x , if $(5x + 2)$, $(4x - 1)$ and $(x + 2)$ are in AP
- (19) If the p th terms of an AP is q and its q th term is p then prove that (p + q) th term is zero
- (20) If the m th term of an AP be $1/n$ and its n th term be $1/m$ then show that its (m n) th term is one.
- (21) In a given AP if p th term is q and the q th term is p then show that n th term is $(p + q - n)$.
- (22) How many terms of the AP 54 , 51 , 48 Should be taken so that their sum is 513 ? Explain double answer.
- (23) Find the middle term of the AP - 213 , 205, 197 ,, 37 .
- (24) Solve : $3^{x+2} + 3^{-x} = 10$
- (25) Solve : $12abx^2 - (9a^2 - 8b^2)x - 6ab = 0$
- (26) If the roots of the equations $(b - c)x^2 + (c - a)x + (a - b) = 0$, are equal , then prove that $2b = a + c$
- (27) If a man walks 1 km/ hr faster than his usual speed then he cover a distance of 3 km in 15 minutes less time. Find its usual speed.
- (28) Two water taps together can fill a tank in $75/8$ hours . The tap of larger diameter takes 10 hours less than the smaller one to fill the tank separately . Find the time in which each tap can separately fill the tank.
- (29) A takes 6 days less than the time taken by B to finish a piece of work. If both A and B together can finish it in 4 days , find the time taken by B to finish the work

Science

(a) Chemistry

- 1) Make 30 questions from Chapter-1 (Chemical Reactions and Equations)
- 2) Write first 20 elements of periodic table on a chart paper along with their atomic no. , mass no. and electronic configuration.
- 3) Observe and make list of different reactions you observe in nature and classify them into different types.
- 4) Revise Chapter- 1 (Chemical Reactions and Equations)

(b) Biology

- 1) Make 30 questions from Chapter-06 Life Processes.
- 2) Draw all diagrams of Chapter- 06 Life Processes on chart paper.
- 3) Make power point presentation on any one of the following-

Nutrition

Excretion

Respiration

Transportation

4) Revise Chapter- Life Processes

(c) Physics

1) Revise chapter-10:Light reflection and refraction

2) Make a Portfolio.

3) Solve worksheets.

4) Make a chart of Ray diagrams of lenses(with waste material like bangles, ice cream stick, candle etc)

Social Science

i) Prepare a project on ‘Disaster Management ‘.

ii) Prepare a project on the given topics-

a)Consumer Awareness (roll no.1 to 10)

b) Social Issues (roll no. 11 to 22)

c) Sustainable Development (23 to 38)

Revision of UT syllabus-

History :

Chapter 1- The Rise of Nationalism in Europe

Geography :

Chapter 1-Resources and Development

Chapter 2- Forest and Wildlife Resources

Civics :

Chapter 1- Power Sharing

Economics :

Chapter 1- Development

Chapter 2- Sectors of the Indian Economy

Home Science

1. Read and Learn Chapter 1(Play), Chapter 2(Features of Childhood, Chapter 3 (Features and Problems of Adolescence, Chapter 4(Features of Adulthood)

2. Make a suitable play material for children between birth to 5 years old child
3. Complete Practical file work
4. Make a portfolio on 'Time and Energy Management'
5. Prepare a Poster to create awareness on consumer education. (Use A3 size sheet)

(संस्कृत)

- पाठ 1,2,3 वपाठ -5 को अभ्यास सहित याद करें।
- व्यंजन सन्धि पर आधारित प्रोजेक्ट बनाएं।
- राम, लता, फल के शब्दरूप याद करें।
- अस्मद्, युष्मद्, तत्, एतत् व किम् के सर्वनाम शब्दरूप लिखें व याद करें।
- पठ् व गम् धातु को पाँचों लकारों में याद करें।

Information Technology

1. Learn unit-1 & 2 question answer
2. Frame 50 Objective Type Questions form Unit 1& 2.

Punjabi

- 1 *ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ ਦਾ ਪੋਰਟਫਾਲਿਓ ਬਣਾਓ ।*
- 2 *ਵਿਆਕਰਨ: ਕ, ਖ, ਗ ਤੋਂ ਸ਼ੁਰੂ ਹੋਣ ਵਾਲੇ ਮੁਹਾਵਰੇ, ਕੋਈ 3 ਲੇਖ ਪੱਕੀ ਕਾਪੀ ਵਿੱਚ ਲਿਖੋ ।*
- 3 *ਕੁਲਫੀ, ਅੰਗ- ਸੰਗ ਅਤੇ ਸੋ ਕਿਓਂ ਮੰਦਾ ਆਖੀਐ ਸਲੋਕ ਦੇ ਪ੍ਰਸ਼ਨ ਉੱਤਰ ਯਾਦ ਕਰੋ ।*

Physical Education

- Diagram of 400 m track & field with computations and write all the information about Athletics Events (Track Events & Field Events)
- Diagram of Field and Equipment of any one game of your choice with computation.

Music

1. Make one instruments on chart.
2. Practice of beat subhasawere (preyar)
3. Learn and try to sing DAV GAAN.
4. Do the practice of 1st to 7thsargam .
5. Do the practice of all beat of assembly band.