



SANT KARSHNI PUBLIC SCHOOL

Jalesar Road Sadabad

Affiliated to CBSE (No.-2131984)

Ph. 7830730300, 7500401700

Email.id:- kpssadabad@gmail.com

Website: www.santkarshnipublicschool.in

SUMMER HOLIDAY HOMEWORK 2026-27

CLASS- X

ENGLISH – :

(A) Prepare a project file

1. Leslie Norris
2. Adrienne Rich
3. Ogden Nash
4. K.A. Abbas
5. Anton Chekhov

Life account, poetic style,
Poetic device, poetic work, achievements

(B) Write 10 letters to the editor on social issues such as women empowerment, encroachment, global ecological crises etc.

HINDI :

प्र01 वर्णमाला का ज्ञान कराते हुए स्वर व व्यंजन पर आधारित एक चार्ट पेपर तैयार कीजिए तथा व्यंजन के उच्चारण स्थान भी बताइए ।

प्र02 'राम लक्ष्मण – परशुराम संवाद नामक पाठ के आधार पर तुलसीदास जी का जीवन परिचय लिखिए । (सचित्र)

प्र03 'नेताजी का चश्मा नामक पाठ के शब्दार्थ लिखे तथा याद करे ।

प्र04 'माता का आँचल' नामक पाठ के प्रश्नोत्तर याद कीजिए ।

प्र05 अपनी छुट्टियों में आप कहाँ गए? प्रस्तुत यात्रा को वृत्तांत से लिखिए ।

MATHS:

Q.1 If the HCF of two positive integers a and b is 1, then find their LCM.

Q.2 If $HCF(98,28) = m$ and $LCM(98,28) = n$, then the value $n \times m$.

Q.3 Prove that $\frac{1}{\sqrt{5}}$ is an irrational number.

Q.4 Show that $11 \times 19 \times 23 + 3 \times 11$ is not a prime number.

Q.5 If two Positive integers, P and q can be expressed as $p = 18 a^2 b^1$ and $q = 20 a^3 b^2$, where a and b are prime numbers, then find LCM (p,q)

Q.6 Show that any number of the form 12^n , can never end with digit 0.

Q.7 Find HCF and LCM of 404 and 96 and verify that $HCF \times LCM = \text{Product of the two given numbers}$.

Q.8 Find a quadratic polynomial whose sum and product of zeroes are 0 and (-9) respectively . also find the zeroes of the polynomial so obtained.

Q.9 If α and β are the zeroes of polynomial $3x^2 + 6x + k$ such that $\alpha + \beta + \alpha\beta = \frac{-2}{3}$ then find the value of K.

Q.10 Find the zeroes the polynomial $p(x) = x^2 + \frac{4}{3}x - \frac{4}{x}$.

Q.11 For what value of K, the product of zeroes of the polynomial $kx^2 - 4x - 7$ is 2 ?

Q.12 If one of the zeroes of a quadratic polynomial $(K - 1)x^2 + kx + 1$ is -3

, then find the values of K.

Q.13 Solve the following system of equation for x and y by substitution and Elimination method.

$$\frac{x}{2} + \frac{2y}{3} = -1 \text{ and } x - \frac{y}{3} = 3$$

Q.14 Solve the following system of equations graphically.

$$X + 3y = 6, 2x + 3y = 12$$

Q.15 Three years ago, Rashmi was thrice as old as Nazma ten years later, Rashmi will be twice as old as Nazma. How old are Rashmi and Nazma now?

SCIENCE :

PHYSICS

Chapter 3: Light – Reflection and Refraction

Define:

1. Reflection
2. Refraction
3. Principal focus
4. Focal length
5. Draw ray diagrams for:
 - a. Concave mirror
 - b. Convex mirror
6. Draw ray diagrams for
 - a. Convex lens
 - b. Concave lens
7. State laws of reflection and refraction.
8. Numericals:

Calculate focal length if radius of curvature is 20 cm.

Learn the mirror formula:

9. Solve all numerical and questions of NCERT for chapter light.

Chapter 4: Human Eye and Colourful World

1. Label diagram of human eye.
2. Explain:
 - a. Myopia
 - b. Hypermetropia
 - c. Cataract
3. Why is the sky blue?
4. Why do stars twinkle?
5. Write applications of atmospheric refraction.

BIOLOGY

General Instructions:-

1. Use a beautiful decorated scrapbook or file (A4 size preferred).
2. Add colourful drawings, stickers, real leaves/photos, diagrams, and creative headings.
3. You may use Canva, hand drawings, or simple digital tools.
4. Click photos of your models and activities.
5. Focus on creativity + scientific accuracy.
6. Write in your own words and enjoy learning!

BIOLOGY – “Life ka Jadoo”

Main Task: “My Biology Story Book” (Creative Notebook)

Life Processes – “Body Factory”

Design a comic strip or infographic poster showing how your body works like a factory (Digestion, Respiration, Transportation, Excretion).

Make a mini flipbook showing the journey of food from mouth to anus.

Create a 3D model of the Human Heart or Nephron using waste materials (plastic bottles, straws, clay, etc.). Take photos

S.St:

Geography

1. Prepare a comparative table for soils of India including all the characteristics of each soil.(Geography)
2. On the political map of India show the distribution of major soils found in India. (Geography)
3. Project on sustainable development
 - a. Meaning of sustainable development
 - b. Issue of sustainable development
 - C. Importance of sustainable development
 - d. Meetings/ summit/report related to sustainable development
 - e. Current status of development

History

1. Prepare a comparative table showing the characteristics of Germania, Marianne and the Bharat Mata. (History)

Civics

Project:

Social issues (student may select any one topic related to social issue. Some suggested topics are given below)

Human rights issues, women empowerment, communal riots, gender disparity.

INFORMATION TECHNOLOGY :

1 - Case Study: Research any 1 cybercrime case from 2020-2026. Write: what happened, law broken, safety lesson. 500 words. (In Holiday homework notebook)

Entrepreneurship file : Plan a simple IT-based startup idea. Write business name, service, target users, how IT will help. Make and draw a logo in a file. (Do this work in a file)

Note:- Summer holiday homework is available on school website:- www.santkarshnipublicschool.in and respective classes whatsapp groups.