



# **N. K. PUBLIC SHOOL**

ARYA NAGAR, MURLIPURA

## *Summer Holiday Homework*



### **CLASS-IX**

Dear Parents,

Summer holidays are not merely a pause from academic schedules; they are a valuable time for reflection, growth, and meaningful experiences. For our senior students, this period is an opportunity to **discover new interests, develop life skills, and strengthen family bonds.**

At N. K. Public School, we encourage our students to make this vacation **purposeful and screen-free as much as possible.** Instead of spending long hours on mobile phones or gadgets, let this summer be about **learning something new** – a skill, a hobby, a sport, reading books, or engaging in activities that enrich the mind and character.

Dear parents, your role during this time is invaluable. Teenagers may be growing up, but they still deeply need **your time, guidance, and warmth.** Spend meaningful time with them. Talk about their dreams, their concerns, and their ideas. Sometimes a **simple hug, a patient conversation, or a shared laugh** can make them feel secure and understood.



We encourage families to nurture a few simple yet powerful habits this summer:

- **Read and discuss a book together.**
- **Share at least one meal every day as a family, free from screens.**
- **Encourage learning beyond textbooks – from life, people, and experiences.**
- **Support your child in developing a new skill that builds confidence and independence.**

The holiday homework assigned is thoughtfully designed to be **creative, reflective, and skill-oriented**, helping students learn from real-life experiences rather than routine assignments.

Let us work together to make this summer a time where our children grow **not only academically, but also emotionally, socially, and personally.**

Wishing all our students and families a **productive, peaceful, and memorable summer vacation.**

Warm regards,  
Principal



# SUMMER HOLIDAY HOME WORK: 2026-27

## CLASS: IX

### Hindi -

- श्रुतिसमभिन्नार्थक शब्द (50)
- संवाद लेखन (कोई दो)
- पत्र लेखन – औपचारिक एवं अनौपचारिक
- निबन्ध लेखन– विद्यार्थी जीवन में अनुशासन

### English-

- Make a file on the life of achievement of the poet Robert Frost and write the explanation of the poem “The Road Not Taken”

### Social Studies-

- Locate all the physical feature of India on a map with different colour.
- Make a flow chart of different river system originate from Himalayan and Peninsular plateau.
- Maps – State and UTs

### Science-

- Make a project file on any one of the given
  - ❖ Cell : Organelles and functions
  - ❖ Matter in our surroundings

### Sanskrit-

- एक महान् शिक्षक का जीवन परिचय ।

## Mathematics-

➤ Do the given worksheet based on ch-1

### Worksheet Based On Ch-1

Q.1 Prove  $\sqrt{2}$  is irrational.

Q.2 Find two irrational number between  $\sqrt{2}$  and  $\sqrt{3}$ .

Q.3 Which of the following number are rational and irrational?

(a)  $(\sqrt{2}+2)^2$

(b)  $(5+\sqrt{5})(5-\sqrt{5})$

(c)  $\frac{6}{2\sqrt{3}}$

(d)  $(\sqrt{2}+\sqrt{3})^2$

Q.4 Express  $0.12\bar{3}$  in  $\frac{p}{q}$ .

Q.5 Express  $\frac{3}{17}$  in decimal

Q.6 Find three rational number between  $\frac{-2}{3}$  and  $\frac{1}{4}$ .

Q.7 Solve:  $(27)^{\frac{-2}{3}}$

Q.8 Rationalise the denominator :  $\frac{1}{2+\sqrt{3}}$

Q.9 Write three rational Number between  $\frac{4}{6}$  and  $\frac{2}{7}$ .

Q.10 Simplify:  $(4+\sqrt{7})(3+\sqrt{2})$

\*\*\*\*\*