



N. K. PUBLIC SHOOOL

ARYA NAGAR, MURLIPURA

*Summer Holiday
Homework*



CLASS-XII (SCIENCE)

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 : XII (SCIENCE)

Hindi Grammar-

- निबन्ध लेखन:- निम्नलिखित निबन्धों में से कोई चार करें—
 - (i) जीवन में खेलों का महत्त्व
 - (ii) राष्ट्रीय विकास के लिए परिवार नियोजन की आवश्यकता
 - (iii) रूस व यूक्रेन युद्ध का वैश्विक प्रभाव
 - (iv) युवकों में बढ़ती नशे की दुष्प्रवृत्ति
 - (v) लोकतंत्र में मीडिया का उत्तरदायित्व
- हिन्दी व्याकरण की पाठ्यपुस्तिका से लगभग 100 पारिभाषिक शब्दावली (पारिभाषिक शब्द) अपनी उत्तर-पुस्तिका में लिखें।
- सचिव, शिक्षा विभाग, राजस्थान, जयपुर की ओर से आयुक्त, माध्यमिक शिक्षा, राजस्थान बीकानेर को विद्यालयों में तकनीकी शिक्षा को बढ़ावा देने हेतु एक पत्र लिखिए।
- नगर-निगम पार्षद की ओर अपने इलाके में व्याप्त गंदगी के सम्बन्ध में नगर-निगम, जयपुर के महापौर को एक पत्र लिखिए।
- भाषा, व्याकरण एवं लिपि का अध्ययन करें।

English-

- Make a project file including the topics:
 - (i) Letter writing
 - (ii) Theme of the poems.

Physics-

- Find intensity of electric field due to a electric dipole:
 - (i) At axial point
 - (ii) At equatorial point
- Find intensity of electric field using Gauss Law due to :
 - (i) Straight linear charge
 - (ii) Plain charged sheet
 - (iii) Charged spherical shell
- Unsolved exercise of Chapter-1 and 2 from text book

Chemistry-

- Solution – Colligative property
- Different type of cells
- Chemical kinetics
- S_N1 and S_N2 reaction (with mechanism)
- Phenol
- Alcohol
- Carbonyl Compounds
- Amine

Biology

- Biology practical project work. (Ranthambore National Park)
- NCERT Questions Chapter No.-1 and 2
- Any one Biology working Model-
 - ❖ Blood Circulatory System
 - ❖ Respiratory System
 - ❖ Excretory System
 - ❖ Any other biology working model
 - ❖ Hydroponics, save environment

Mathematics-

- Make pocket diary including all identities of 11th and 12th maths.
