

**SANT NISCHAL SINGH PUBLIC SCHOOL,
YAMUNA NAGAR**



**HOLIDAYS ASSIGNMENT
SESSION (2025-26)**

CLASS: IX

Dear Students

Holidays are eagerly anticipated as a time to unwind, rejuvenate, and explore new interests. To make your summer vacation both enjoyable and enriching, your mentors have thoughtfully crafted homework aligned with the school's vision of "Fun and Learn."

These art-integrated and activity-based assignments are designed to spark curiosity, nurture creativity, and deepen knowledge. They will inspire a love for learning and help you return as a more confident, capable, and well-rounded individual.

Have a great



VaCaTion!

RECREATIONAL ACTIVITIES

- ❖ ***"A healthy mind resides in a healthy body"*** - Pay attention to your health, go for morning and evening walks, avoid consumption of junk food, eat healthy and stay healthy.
- ❖ ***Meditation and Yoga:*** Meditation and yoga practices can help you relax, reduce stress, and improve mental focus. You can follow guided meditation videos or attend local yoga classes if available.
- ❖ ***Outdoor Recreation:*** Spend every day some time outdoors by engaging in activities like cycling, hiking, swimming, or simply enjoying picnics in nature. Fresh air and physical activity can promote relaxation and well-being.
- ❖ ***Open your mind*** for reading newspapers, novels, blogs and stories that will help you in increasing your **vocabulary**.
- ❖ ***Indulge yourself into activities*** like cooking, singing, dancing aerobics, cycling , trekking, swimming, art and craft and gardening.
- ❖ ***Creative Art:*** Engage in creative art activities like painting, drawing, or crafting.
- ❖ ***Online Courses:*** You can enroll in online courses or virtual workshops that align with your academic interests or help you explore new subjects. Platforms like Coursera, Khan Academy, or Udemy offer a wide range of courses across various disciplines.
- ❖ ***Virtual Museum Tours:*** Many museums offer virtual tours, explore art, history, and science exhibits from the comfort of your homes. You can learn about different cultures, historical events, or scientific discoveries.



GENERAL INSTRUCTIONS THAT ARE TO BE FOLLOWED

- ❖ Revise the syllabus thoroughly covered till May.
- ❖ Use eco friendly material to prepare Models or Projects .
- ❖ Make the Project/ Models independently. Ask Parents for guidance and assistance only.
- ❖ Maintain the quality of work done.
- ❖ Write about your Project in a Project File(word limit –200 to 300 words)
- ❖ Minimize the use of gadgets.
- ❖ Develop a skill or hobby. Click photographs, record videos and note your achievements in your Portfolio File.

NOTE: All photographs & Activity sheets are to be added to portfolio

ENGLISH

Common for all (Art Integrated Activity)

Book Review

Read the following books and write a review on coloured sheets covering the following points:

- Title and author
- Summary of the plot
- Your favourite character and why?
- What did you learn from the book? Would you recommend it?

1. The Alchemist by Paulo coehlo
2. The Anxious generation by Jonathan Haidt / Atomic habits by James clear

DIARY WRITING

- Take a brand new, hard bound diary and record your feelings and various new experiences during vacations in the form of diary entries. (write for atleast 10 days .Make this your permanent habit and continue writing.)

ROLL NO.1 TO 10

‘DESIGN YOUR OWN NEWSPAPER’ (5 page atleast)

- ❖ WHAT TO DO: Design a Unique Newspaper with Content That Matters to You! *The

newspaper should have five sections:

1. Facts and figures of English language – latest news or facts related to English language.
2. Creative Corner- Your or friend's original poetry or story
3. Quotes- By famous poets / authors with their names
4. Entertainment – news related to popular books , films etc
5. Games & Puzzles - based on tenses, verbs, prepositions, determiners, modals or conjunctions. (Any one) For example Snakes & Ladder prepositions etc ..

ROLL NO. 11 TO 20

Podcast Script – Let's Talk Literature!

Write a script for a podcast discussing your favourite lesson or poem from the textbook.(1- 2 pages only)

Include:

- A catchy opening
- Why you liked it
- A powerful quote or line
- End with a recommendation

ROLL NO. 21 TO 30

Skit Writing

Write a short skit/dialogue (1–2 pages) where:

- You interview a famous personality from your book Beehive (for eg Evelyn Glennie, Ustad Bismillah Khan, Abdul kalam etc)
- Make it humorous, witty, and informative.

ROLL NO. 31 TO 40

Famous speeches

Go through any one of the following speeches delivered by the famous personalities and summarize the same in your own words. (1-2 pages)

1. TRYST WITH DESTINY by Pt. Jawaharlal Nehru
2. SWARAJ IS MY BIRTHRIGHT by Bal Gangadhar Tilak.
3. GIVE ME BLOOD AND I WILL GIVE YOU FREEDOM by Netaji Subhash Chandra Bose.
4. RELIGION NOT THE CRYING NEED OF INDIA by Swami Vivekananda in Chicago

DAYS TO REMEMBER

WORLD ANTI TOBACCO DAY 31 MAY

Make a poster on "Say No to Tobacco"



WORLD ENVIRONMENT DAY 5 JUNE

Prepare Vertical Garden using waste plastic bottles.



HINDI

ROLL NO.1 TO 5

- त्रिपुरा के प्रसिद्ध उद्योगों की सूची तैयार करें। चित्रों के माध्यम से बताएं कि स्थानीय अर्थव्यवस्था में कैसे योगदान देते हैं?

Roll No.6 to 10

- भारत की किसी एक आदिवासी संस्कृति जैसे संथाल, भील आदि इनके त्योहारों, पोशाकों और रीति रिवाजों को कोलाज के माध्यम से दर्शाते हुए 150 शब्दों में वर्णन करें।

Roll No.11 to 15

- पिछले 25 वर्षों की पांच वैज्ञानिक खोजों जैसे स्मार्टफोन, AI, mRNA वैक्सीन की सूची बनाएं प्रत्येक का एक टाइम लाइन चार्ट बना कर दिखाएं कि इन्होंने दैनिक जीवन को कैसे बदला?

Roll No.16 to 20

- 'मधुर वचन है औषधि' इस प्रसिद्ध कहावत के आधार पर लगभग 100 शब्दों में लघु कथा को चित्र के माध्यम से दर्शाएं।

Roll No.21 to 25

- भारत-यू.एस. नागरिकता अधिनियम, 2019 के तहत भारत में रह रहे भारतीय नागरिकों को भारत छोड़ो आंदोलन के 75 वीं वर्षाव के अवसर पर एक पोस्टर बनाने का निर्देश दिया गया है।

माध्यम से करें(चित्र स्वयं बनाएं।)

Roll No.26 to 30

- किसी घटना/ व्यक्ति जैसे "भारतीय स्वतंत्रता संग्राम" की समय रेखा बनाएं। चित्रों और तीरों का उपयोग करके घटनाओं को क्रम से दर्शाएं।

Roll No.31 to 35

- "हमारा गांव हमारी विरासत "अपने गांव/ शहर के किसी पारंपरिक उद्योग जैसे मिट्टी के बर्तन, कढ़ाई आदि का वर्णन करते हुए चित्र के माध्यम से दो पृष्ठ की रिपोर्ट तैयार करें ।

Roll No.36 to 40

- महानगरों में ट्रैफिक जाम की समस्या को दो मित्रों के संवाद को चित्र के माध्यम से लगभग 100 शब्दों में लिखें।

DAYS TO REMEMBER

WORLD OCEAN DAY 8 JUNE

Write "My Ocean pledge"-one thing you will do to protect ocean.



WORLD BLOOD DONATION DAY 14 JUNE

Write a "Thank you Card" to real life blood donors and send it to a local blood bank.
(If Possible)



MATHEMATICS

- DO THE GIVEN ASSIGNMENT IN THE SEPARATE NOTE BOOK.

ROLL NO.1 TO 8

- Note down maximum and minimum temperature of your locality for 15 days and

- represent it graphically (double bar graph)
- Create an interactive model using LED lights or a rotating mechanism to match algebraic expressions

ROLL NO.9 TO 16

- Research and present how math is used in various profession (engineering, finance, sports analysis etc.) or everyday situation (cooking, shopping, budgeting etc) in 10 pages.
- Design a rotating angle viewer to show different type of angles (acute, obtuse, right etc)

ROLL NO.17 TO 24

- Design a poster that includes definitions, examples, and formulas for different type of polynomials (linear quadratic, cubic), factorizing methods and the remainder theorem.
- Make a working model showing sum of opposite angles of a cyclic quadrilateral is supplementary.

ROLL NO.25 TO 32

- Working of quadrant: drawing designs on graph paper to cover all quadrants, writing coordinates of intersection and colouring the artwork
- create a working model that demonstrates the midpoint theorem

ROLL NO.33 ONWARDS

- Polynomial presentation: choose a topic related to polynomials and prepare a short presentation includes examples, explanations, and visual aids
- Working model of Pythagoras theorem.

DAYS TO REMEMBER

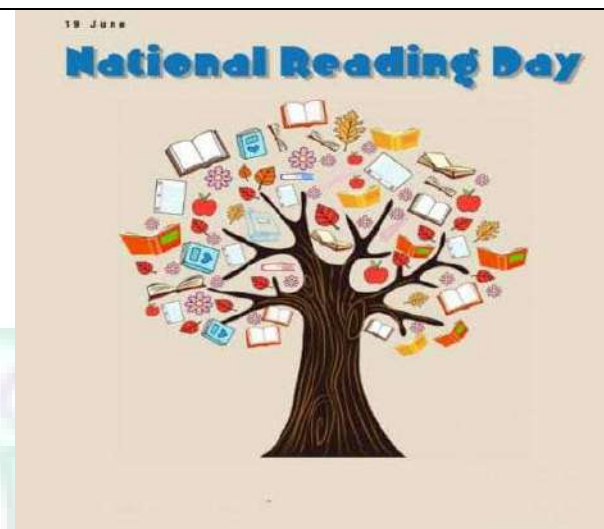
**FATHER'S DAY
15 JUNE**

Make your father feel special by making any dish for him. Click photographs.



**NATIONAL READING DAY
19 JUNE**

**Make Book Mark- Write a quote on
“Reading”**



SCIENCE

Handwritten project on the Following Topic to be Submitted

ROLL NO.01 TO 14- GROUP A

ROLL NO.15 TO 28- GROUP B

ROLL NO.29 TO 42- GROUP C

GROUP A

Kitchen Chemistry Detective:

1.The Mystery of the Curd: (Roll No. 1-3)

Investigate the process of making curd (dahi), a staple in Indian households. Research the microorganisms involved (Lactobacillus bacteria), the chemical reaction that takes place (fermentation of lactose to lactic acid), and the factors that affect the quality of the curd (temperature, starter culture).

* Creative Output: You could present your findings as a comic strip, a short story from the perspective of a Lactobacillus bacterium, or even a video demonstrating the process with a scientific explanation.

2. Spice Rack Secrets: (Roll No. - 4-6)

Choose three common spices found in your kitchen (e.g., turmeric, cumin, coriander). Research their chemical composition and the compounds responsible for their color, aroma, and any medicinal properties.

* Creative Output: Create an infographic showcasing the chemical structures of key compounds and their uses, or design a "spice fact file" with interesting chemical information.

The Chemistry of Everyday Life in Yamuna Nagar

3. Water Quality Analysis (Conceptual): (Roll No. 7-10)

While you might not have a lab at home, research the potential sources of water in Yamuna Nagar (groundwater, canal water). Investigate common water pollutants and the chemical tests used to detect them (e.g., pH, hardness, presence of heavy metals).

* Creative Output: Design a public awareness poster or a short presentation explaining the importance of water quality and potential contaminants in your region.

4. "Meet the Element" Profile: (Roll No.- 11-14)

Choose an element from the periodic table and create a profile for it, as if it were a person. Include:

- * Name: The element's name and symbol.
- * "Date of Birth": When it was discovered.
- * "Family": Its group and period in the periodic table.
- * "Personality/Characteristics": Its physical and chemical properties.
- * "Hobbies/Uses": How it is used in everyday life.
- * Include a "picture" (a Bohr model or a creative visual representation).

GROUP B

1. Disease Detective Report: Choose a disease (like malaria, tuberculosis, or COVID-19) and create a "detective file" covering its cause, symptoms, mode of transmission, prevention, and cure. Make it look like a case file with photos, charts, and mystery-style notes. **(15- 17)**
2. Immunity Comic Strip: Design a comic strip showing how your immune system fights off germs. Create characters like "Captain Antibody" and "Virus Villain" to make it fun and educational. **(18-20)**
3. Balanced Diet Chart: Prepare a personalized balanced diet plan for a week that helps in boosting immunity. Illustrate the food items and explain their nutritional benefits. **(21-24)**
4. Home Science Experiment: Test the effectiveness of different natural disinfectants (like lemon, vinegar, turmeric) against germs on kitchen surfaces. Record your observations with photos. **(25-28)**

GROUP C

Roll no. (29-31)

Task: Observe natural phenomena around you (e.g., the formation of dew, the movement of leaves in the wind, the colors in a rainbow, the settling of dust). Choose three phenomena and explain the underlying physics principles.

* Creative Element: Capture these phenomena through photography or sketches and write a short explanation for each, like a naturalist's journal.

Roll no. (32 - 34)

Encouraging Experimentation (with safe and readily available materials):

*** Kitchen Physics Challenges:**

* Task: Design and conduct three simple experiments using materials found in your kitchen to demonstrate physics concepts like pressure (e.g., making a Cartesian diver in a bottle), density (e.g., layering liquids), or inertia (e.g., pulling a tablecloth quickly).

* Creative Element: Document your experiments with photos or short videos, explaining the procedure, your observations, and the physics principle demonstrated.

Roll no. (35 - 38)

*** The Science of Toys:**

* Task: Choose two different toys (one simple, one slightly more complex). Analyze the physics principles that make them work (e.g., a spinning top demonstrates rotational motion and inertia; a spring-loaded toy demonstrates elastic potential energy).

* Creative Element: Create a presentation (slides, poster, or even a short skit) explaining the physics behind each toy.

Roll no. (39 -42)

Promoting Application and Design:

*** Build a Simple Machine:**

* Task: Design and build a simple machine (lever, pulley, inclined plane, wedge, screw, or wheel and axle) using recycled materials.

* Creative Element: Demonstrate how your machine works and explain the mechanical advantage it provides.

DAYS TO REMEMBER

INTERNATIONAL YOGA DAY 21 JUNE

Perform the Asan as of Surya Namaskar,
click your photographs



INTERNATIONAL DAY AGAINST DRUG ABUSE 26 JUNE

Take a pledge-against drug abuse
“Write this pledge using beautiful
calligraphy”



SOCIAL SCIENCE

ROLL NO.1 TO 8

- *Design a Disaster Preparedness Board/Digital Game*

Activity: Students will create a *board game or digital game* that educates players about disaster preparedness and response strategies.

ROLL NO. 9 TO 16

- . *Investigate Historical Disasters*

Students will research a significant historical disaster (e.g., the 2004 Indian Ocean tsunami) and analyze its causes, effects, and the effectiveness of the response.

A *detailed report or presentation.*

Visual aids such as timelines, maps, or infographics.

ROLL NO.17 TO 24

- Create a Disaster Awareness Campaign

Students will design a campaign to educate their community about a specific disaster (e.g., earthquake, flood). This can include *posters, pamphlets, social media content, or short videos.*

ROLL NO. 25 TO 32

“Disaster *Comic Strip”* – Disaster Management with a Twist

- Disaster Management
- Task: Create a *comic strip* or *graphic novel* page showing:
- A natural disaster striking a town
- How people respond, mistakes they make, and lessons learned
- Include a *‘‘Tips Box* ’’ at the end with do’s & don’ts

ROLL NO. 33 TO 43

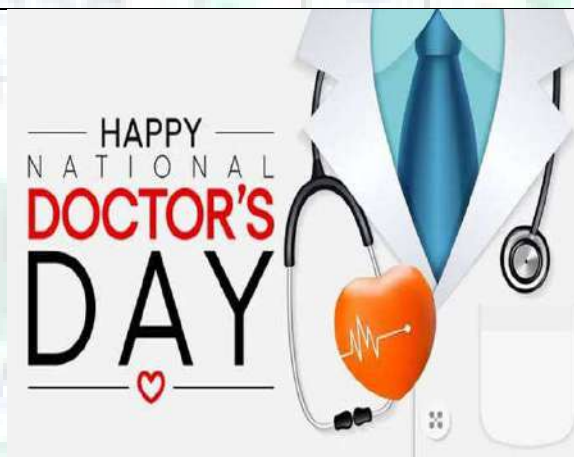
- 5 Emergency *Survival Kit* in a Shoebox”

Add a Small *Handbook or Pamphlet* :(Create a foldable info guide)

DAYS TO REMEMBER

WORLD DOCTOR'S DAY 1 JULY

**Write a Thank you note or email to your
Doctor for his/her services.**



INTERNATIONAL PLASTIC BAG FREE DAY 3 JULY

Make a beautiful cloth bag for grocery



ARTIFICIAL INTELLIGENCE(AI)

NOTE:

- Revise the Syllabus covered in April and May.
 - Complete the Notebook.
 - Student to Write the following python programs in Project File.
 - Write Coding on one side(lining side) and paste the output of program on other(plain) side .
1. Write a program to find the area of rectangle.
 2. Write a program to find the area of circle.
 3. Write a program to find the area of cuboid.
 4. Write a program to find the area and perimeter of square.
 5. Write a program to check a number to be odd or even.
 6. Write a program to find the greatest of two numbers.
 7. Write a program to find the greatest of three numbers.
 8. Write a program to print N natural numbers.
 9. Write a program to print first 10 even numbers.
 10. Write a program to print table of a number.

PUNJABI

ਪੰਜਾਬੀ ਕਹਾਣੀ ਫਾਈਲ ਬਣਾਓ

- ਵਿਦਿਆਰਥੀਆਂ ਨੇ ਇੱਕ ਛੋਟੀ ਕਹਾਣੀ ਪੰਜਾਬੀ ਵਿੱਚ ਲਿਖਣੀ ਤੇ ਉਸਨੂੰ ਚਿੱਤਰਾਂ ਨਾਲ ਸਜਾਉਣਾ।
- ਕਹਾਣੀ ਪੂਰੀ ਹੋਣ 'ਤੇ ਇੱਕ ਆਕਰਸ਼ਕ ਕਵਰ ਪੇਜ ਬਣਾਓ ਅਤੇ ਅਖੀਰ ਵਿੱਚ ਇੱਕ ਨੈਤਿਕ ਸਿੱਖਿਆ ਲਿਖੋ।

ਕਿਸੇ ਪੰਜਾਬੀ ਕਹਾਣੀ ਜਾਂ ਨਾਵਲ ਦੇ ਪਾਤਰ ਦਾ ਚਿੱਤਰਣ ਇਕ ਫਾਈਲ ਵਿਚ ਲਿਖੋ।

- ਆਪਣੇ ਪਾਠਕ੍ਰਮ ਜਾਂ ਲੋਕ ਕਹਾਣੀ ਵਿੱਚੋਂ ਕਿਸੇ ਇੱਕ ਪਾਤਰ ਨੂੰ ਚੁਣੋ।
- ਉਸ ਪਾਤਰ ਦਾ ਵਿਸਥਾਰ ਨਾਲ ਚਿੱਤਰਣ ਕਰੋ (ਸਵਭਾਵ, ਰੂਪ, ਜੀਵਨਸ਼ੈਲੀ ਆਦਿ)।
- ਚਿੱਤਰ ਜਾਂ ਉਸ ਪਾਤਰ ਨਾਲ ਜੁੜੀਆਂ ਵਸਤਾਂ ਦੀਆਂ ਤਸਵੀਰਾਂ ਵੀ ਸ਼ਾਮਲ ਕਰੋ।

ਅਤੇ ਜਮਾਤ ਵਿਚ ਕਰਵਾਏ ਗਏ ਕੰਮ ਦੀ ਦੁਹਰਾਈ ਕਰੋ।

ART & CRAFT

- Any one Indian folk art on A3 sheet.
- Prepare any one craft with waste material

Compulsory for all

EK BHARAT SHRESHTHA BHARAT PROJECT

CLASS IX-(2025-26)

Dear student

To encourage national integration EBSB Program has been launched by CBSE. It focuses on unity in diversity i.e. linguistic, literacy, festivals, sports, bio-diversity, tourism and cultural exchange. This will lead to enhanced understanding and bonding between the States thereby strengthening the unity and integrity of India. The pairing State of **Haryana** is **Manipur**.

Students will make and maintain state project file as per the following guidelines.

➤ Title Page/Introductory Page

EK BHARAT SHRESHTHA BHARAT PROJECT/FILE

Name of Project

Name of student

Class & Section:

Roll No:

Class Incharge: Mr/Ms

Signature of class Incharge

First Page

Map of India Highlighting “MANIPUR” and “HARYANA”.

Use innovative ideas to draw, paint or create map of India with any eco-friendly material, keeping in mind sustainable development.

Second Page:

Knowing my Pairing state “Manipur”

Worksheet (write and learn)

Name of State	Manipur
Governor	
Chief Minister	
Area	
Capital	
Fruit	
Flower	
Bird	
Dance	
Name of State Emblem	
Traditional Attire	
Popular Sports	
River	
Famous Lake	
Dance	
Endemic Plant/Symbol of natural richness and Bio diversity	

Third Page onwards

Festivals

- Manipur: Yaoshang, Lai Haraoba, Ningol Chakouba, Cheiraoba
- Haryana: Teej, Baisakhi, Holi, Gugga Naumi

Create a calendar with festivals from both states for the year.

