

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



HOLIDAYS ASSIGNMENT

SESSION (2024-25)

CLASS: X

Dear Students

We all eagerly wait for holidays. We all make plans to enjoy, to relax and to empower ourselves during these gala days. This summer vacation the Holidays Homework so designed by the mentors of the school is a medium for you all to achieve the motto of 'Fun and Learn'.

The activities and Art integrated assignments will foster curiosity, develop creativity, enhance knowledge and instill the joy of learning among you all. This will certainly help you discover a new you who is more enriched and confident and performs every action to perfection.



TIPS FOR SUMMER BREAK

- ❖ *“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.*
- ❖ *Open your mind for reading newspapers, novels, blogs and stories that will help you in increasing your vocabulary.*
- ❖ *Watch Discovery Channel , History Channel, National Geographic Channel and BBC Earth for knowledgeable programs.*
- ❖ *Indulge yourself into activities like cooking, singing, dancing aerobics, cycling , trekking, swimming, art and craft and gardening.*
- ❖ *Appreciate nature and go for Nature Walk. Plant a sapling, water the plants . Spread the message of nature conservation.*
- ❖ *Remember to have a wide mouth container filled with water outside your house for the birds to get respite from the scorching heat.*



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.

ENGLISH

A)PROJECT: (Compulsory for all)

Creating a newsletter can be a fun and engaging way to showcase information. Create a holiday-themed newsletter for your homework:

Include information about the school trip, holidays destination, grand parents home or other holidays events, activities or things you do during the holiday season. Paste some interesting pictures too. You can frame it on a project file (4 pages) or a chart paper.

B). Write an article on the following topic on A4sheet in about 200-250 words.

1. Climate Change and Its Impact on Global Weather Patterns.(Roll no. 1- 10)

Introduction: Define climate change and differentiate it from weather.

Main Body: Discuss the causes of climate change, such as greenhouse gases, deforestation, and pollution. Explain how these changes impact global weather patterns, leading to extreme weather events like hurricanes, droughts, and floods.

Conclusion : Highlight the importance of global cooperation to mitigate climate change and suggest individual actions students can take.

2. The Evolution of Technology in Education.(11 – 20)

Introduction : Briefly outline the history of technology in education, from chalkboards to digital classrooms.

Main Body : Explore how different technologies, such as computers, tablets, and online learning platforms, have transformed the learning experience. Discuss the benefits and challenges of using technology in education. **Conclusion :** Reflect on the future of education technology and its potential to make education more accessible and engaging.

3. The Importance of Mental Health Awareness in Teenagers. (21- 30)

Introduction : Explain what mental health is and why it is particularly important for teenagers.

Main Body : Discuss common mental health issues among teenagers, such as anxiety, depression, and stress. Highlight the role of parents, schools, and friends in supporting mental health. Include information on how to seek help and the benefits of talking about mental health.

Conclusion: Emphasize the importance of reducing stigma around mental health and encourage proactive approaches to mental well-being.

4. The Impact of Social Media on Youth. (31- onwards)

Introduction : Introduce the widespread use of social media among youth and its significance in modern life.

Main Body : discuss both positive impacts (e.g., connectivity, information sharing, and community building) and negative impacts (e.g., cyber bullying, addiction, and misinformation) of social media. Provide statistics and real-life examples to illustrate these points.

Conclusion : Offer tips on how to use social media responsibly and balance online and offline activities.

Each article should be around 250-300 words and include credible sources, real-life examples, and a balanced view of the topic to provide a comprehensive understanding for the readers.

HINDI

Roll No 1से10 : छुट्टियों में आप पर्वतीय क्षेत्रों पर यात्रा कर रहे हैं अचानक से आपके पास से बादल गुजरे तो आपके मन में कैसे भाव उत्पन्न होंगे यह कल्पना कीजिए उन भावों को लिखिए ।भारत के मुख्य पर्वतों के चित्र बनाएं।(8 से10पेज की फाइल बनाओ)

- **Roll No 11 से 20**
- छुट्टियों में आपने अपने माता-पिता का घर के किन्-किन् कार्यों में सहयोग किया लिखे (8 से 10 पेज की फाइल बनाओ)

Roll 21 से 30

- तनाव मुक्ति के लिए प्रतिदिन योगा करें और योग आसन के कुछ चित्र हाथ से बनाएं(8 से 10 पेज की फाइल बनाओ)

RollNo 31 से अन्तिम तक

- अपने आसपास के पार्क निरीक्षण करें ,वहाँ सफाई कैसे रह सकती है इसका प्रयास करें ।पार्क में सैर कर रहे लोगों का चित्र सहित वर्णन करें।

MATHEMATICS

- **1-8** Make a model on Pythagoras Theorem.
- **9-16** Make a model on real numbers
- **17-24** Prepare model on Trigonometric ratios
- **25-32** Prepare model on Thales theorem
- **33-40** Prepare 10 cards on case study based sums

* Complete the following activities in your lab manual:

- 1) To obtain the conditions for consistency of a system of linear equations in two variables by graphical method.
- 2) Graphical representation of a Quadratic polynomial (PARABOLA)
- 3) To verify that the given sequence is an Arithmetic progression by paper cutting and pasting method.
- 4) To verify that the sum of first n natural numbers is $n(n+1)/2$ by graphical method .

SCIENCE

1. Prepare a brief handwritten assignment on 'Management of Natural Resources' on A4 sheets (8-10 pages).(COMPULSORY FOR ALL STUDENTS)

2.Prepare an individual working model on topics mentioned against your roll number:

Roll no. 1-4 Hydroponics/Aeroponics using plants.

Roll no. 5-8 Make Eco friendly products like eco-bricks or Bio fabrics using materials like waste wrappers, glycerine, water colors etc.

Roll no.9-13 Make a plastic recycling/Garbage treatment plant or Biogas production plant using Cardboard, containers, pipes etc.

Roll no.14-17 Prepare a handwritten Project file of 10-15 pages on the topic

Using turmeric, cabbage juice, clove oil, onion juice as indicators, find acidic and basic substances from your home and give your interpretation.

Roll no.18-22 Describe in brief an activity to investigated the conditions under which an article made of an iron rusts. List any four methods used for the prevention of rusting of iron. Material required iron nail, any oil, boiled water.

Roll no.23 -26 Prepare a working model of TIR(Total internal reflection of light) laser waterfall using light and bottle

Roll no. 27-30 Prepare a working model of Hydraulic lift using card board, pipe and syringe

Roll no. 31-34 Make a model of Tesla coil using battery ,copper coil, LED

Roll no. 35 to 39 Make a model of Chandrayaan Rover using cardboard syringes, sliders ,chart paper.

SOCIAL SCIENCE

Roll no 1-8 Make Poster on Social Justice/Economic Equality

Roll no 9-16 Visit a near by Bank and gather necessary details for Credit (types, conditions, terms, documents)

Summarise the steps involved in it

Roll no 17-24 Slogan Writing on 🌍Earth Day or 💧 water conservation

Roll no 25-32 Report on Lok sabha Elections in Haryana

Roll no 33-40 Know your city (Heritage sites Any two)

****Project File Compulsory* *for all****

Prepare a handwritten Project file on the Topic :

Consumer Awareness or Social issues (Section A, B, C)

Sustainable Development

(Section D and E)

COMPUTER APPLICATION

Rollno 1-10 Web Hosting Research:

Learn about web hosting and its importance in making websites accessible online.

Rollno 11-20 Wi-Fi Characteristics:

Write about few characteristics of Wi-Fi and how it has changed the way we access the internet.

Rollno 21-30 Explore Cybersecurity:

Learn about basic Cybersecurity Principles and ways to protect digital information.

Rollno 31-40 Create a Presentation:

Prepare a presentation on a computer science topic that interests you, such as the evolution of programming languages.

Also Document your learning process, code, and any challenges you faced along with the solutions you found.

PUNJABI

- ਭਾਰਤੀ ਸੈਨਾ ਵਿੱਚੋਂ ਕਿੰਨਾ ਕਿੰਨਾ ਨੂੰ ਬਹਾਦਰੀ ਪੁਰਸਕਾਰ (Gallantry awards) ਮਿਲੇ ਹਨ। ਉਹਨਾਂ ਵਿਚੋਂ ਕੋਈ 5 ਵੀਰ ਸੈਨਿਕਾਂ ਉੱਤੇ ਅੱਠ ਦਸ ਪੇਜਾਂ ਦੀ ਇੱਕ ਫਾਈਲ ਚਿੱਤਰ ਸਹਿਤ ਤਿਆਰ ਕਰੋ।

HEALTH & PHYSICAL EDUCATION

STRAND PROJECT FILE

1 GAME AND SPORTS

ATHLETICS TRACK

1. Layout 400 Mt Track

(Compulsory for All classes)

LONG JUMP

1. Layout Long Jump Pit

2. Runway

3. Long Jump Techniques

2 TEAM GAMES

Roll no 01 to 10 Draw a Badminton court

Roll No 11 to 20 Draw cricket ground

Roll No 21 to 30 Football ground

Roll No 31 to above Volley ball court

3 SEWA

PROJECT

Roll no 01 to 15 Dignity of Labor

Roll No 16to 30 Care for Homeless Children.

Roll No 31 to above Family Budget.



Compulsory for all

EK BHARAT SHRESHTHA BHARAT PROJECT

Class X (2024-25)

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

**SANT NISCHAL SINGH PUBLIC SCHOOL, YAMUNANAGAR
SESSION-2024-25**

**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

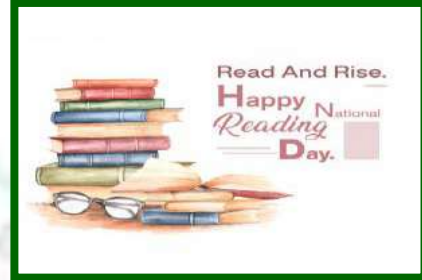
- Write a project report on pilgrim sites of **Manipur**, their names, place and other information.
- Make dancing dolls using paper mache or straws or wooden sticks or newspaper etc.

DAYS TO REMEMBER.....

WORLD ANTI TOBACCO DAY 31 MAY



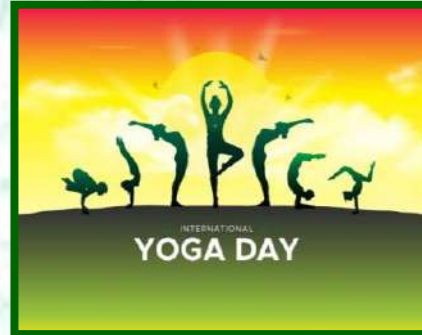
NATIONAL READING DAY 19 JUNE



WORLD ENVIRONMENT DAY 5 JUNE



INTERNATIONAL YOGA DAY 21 JUNE



WORLD OCEAN DAY 8 JUNE



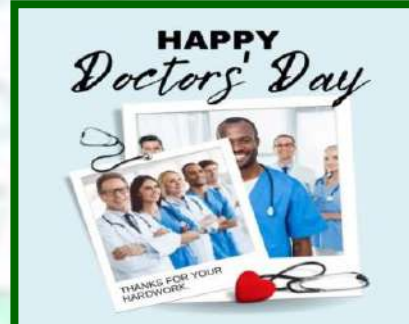
INTERNATIONAL DAY AGAINST DRUG ABUSE 26 JUNE



WORLD BLOOD DONATION DAY 14 JUNE



WORLD DOCTOR'S DAY 1 JULY



FATHER'S DAY 16 JUNE



INTERNATIONAL PLASTIC BAG FREE DAY 3 JULY



Happy
Holidays