



NEW INDIA SENIOR SECONDARY SCHOOL, PANCHKULA
SUMMER VACATION ASSIGNMENT 2024

CLASS – X



School reopens on July 04, 2024

Dearest Students,

Greetings from NISSS!

Summer vacation brings with it a much-needed break from the busy school schedule. It is a time for relaxation and enjoyment, and when used creatively, it can also be a valuable learning experience. With this in mind, we have designed a **series of exciting and fun projects and assignments to enhance your learning skills, help you better understand various concepts, and improve your academic performance.** These assignments are intended to help you revise and reinforce what you have learned during the school year, while also expanding your knowledge. In short, our Summer Vacation Assignment is meant to be a meaningful and creative exercise.

Important Note:

- These projects and assignments **will be assessed as a Subject Enrichment Activity and added to your Portfolio.**
- Please submit the Projects, Models and Assignments to your **Class Teacher till 8th July i.e. Monday.**

Enjoy your summer break and make the most of this opportunity to learn and grow!

HABITS TO IMBIBE DURING SUMMER VACATION

Dear Students,

Summer vacation is a great time to have fun and learn new things. Here are some habits that you should try:

1. Read Every Day

- Why: Improves your imagination and vocabulary.
- How: Read storybooks or comics for 15-20 minutes daily.

2. Stay Active

- Why: Keeps you healthy and energetic.
- How: Play outside, ride your bike, or skip rope for 30 minutes daily.

3. Eat Healthy Foods

- Why: Helps you grow strong.
- How: Eat fruits, vegetables, and drink lots of water.

4. Help at Home

- Why: Teaches responsibility.
- How: Tidy your room or set the table.

5. Try New Hobbies

- Why: Fun and educational.
- How: Try drawing, painting, or gardening.

6. Spend Time in Nature

- Why: Makes you feel happy and calm.
- How: Go for walks or play in the garden.

7. Learn Something New

- Why: Exciting and fun.
- How: Learn new words or simple science experiments or hobbies that makes your excited.

8. Have Fun and Relax

- Why: Important for happiness.
- How: Play games and spend time with family.

Tips for Parents

- Encourage Reading: Read together daily.
- Promote Activity: Plan outdoor play.
- Healthy Eating: Involve kids in meal prep.
- Routine: Balance fun and learning.

SUMMER VACATION ASSIGNMENT

- Solve Periodic Test-1 Question Papers of English, Hindi, Mathematics, Science, Social Science in your respective notebooks.
- *Revise all the syllabus done till date (Class Test will be conducted after the Summer Break).*
- Do English and Hindi homework in your respective notebooks.
- Do Mathematics homework on A4 sheet.
- Read your favourite English and Hindi Stories and share your reading experience with the parents.

ENGLISH

- Solve Periodic Test 1 English in your notebook.

1. STUDENT PORTFOLIO ENRICHMENT ACTIVITIES:

- **TRAVELOGUE:**

Summer Vacation is the most awaited time for students to travel to different places and make memories that last a life time. Create a Travelogue (Photo Album) and pen down your experience.

- **WORDS AND EXPRESSIONS**

Read Unit - 1 and 2 thoroughly and do the given exercises in book itself.

- 2. **Read the passage thoroughly and answer the provided questions in your notebook. Write your answers in complete sentences. Check your answers for spelling, grammar and punctuation errors. Make sure your answers are clear and complete.**

(1) Mankind's fascination with gold is as old as civilization itself. The ancient Egyptians held gold in high esteem. Gold had religious significance for them, and King Tutankhamen was buried in a solid gold coffin 3300 years ago. The wandering Israelites worshipped a golden calf, and the legendary King Midas asked that whatever he touched be turned into gold.

(2) Not only is gold beautiful, but it is virtually indestructible. It will not rust or corrode. Gold coins and products fabricated from the metal have survived undamaged for centuries. Gold is extremely easy to work with. One ounce, which is about the size of a cube of sugar, can be beaten into a sheet nearly 100 square feet in size, and becomes so thin that light can pass through it. An ounce of gold can also be stretched into a wire 50 miles long. Gold conducts electricity better than any other substance except copper and silver, and it is particularly important in modern electronic industry.

(3) People have always longed to possess gold. Unfortunately, this longing has also brought out the worst in human character. The Spanish conquerors robbed palaces, temples and graves and killed thousands of people in their ruthless search for gold. Even today, the economy of South Africa's gold mines depend largely on the employment of black labourers who paid about 40 pounds a month, plus boarding and lodging. They work in conditions that can only be described as cruel. About 400 miners die in South Africa each year.

(4) Much of the gold's value lies in its scarcity. Only about 80,000 tons have been mined in the history of the world. All of it can be stored in a vault 60 feet square, or a super tanker. Great Britain was the first country to adopt the gold standard, when the Master of the Mint, Sir Issac Newton, established a fixed price for gold in 1717. The discovery of gold in the last half of the nineteenth century in California 1848 and later in Australia and South Africa changed everything. Before the discovery there simply wasn't enough gold around for all the trading nations to link their currencies to the precious metal.

(5) An out-of-work prospector named George Harrison launched South Africa into the gold age in 1886 when he discovered the metal on a farm near what is now Johannesburg. Harrison was given 12 pounds as a reward by the farmer. He then disappeared and was eaten by a lion.

(6) One of the biggest gold mining areas in the Soviet Union is the Kolyma River region, once infamous for its prison camp. The camp has gone, but in a way nothing has changed. Many ex-prisoners have stayed on to work in the mines and are supervised by ex-guards.

(7) Despite the current rush to buy gold, 75 percent of the metal goes into making jewellery. Italy is the biggest consumer of gold for this purpose, and many Italian jewellers even tear up their wooden floors and burn them to recover the tiny flecks of gold. Historically, the desire to hoard gold at home has been primarily

an occupation of the working and peasant classes, who have had no faith in paper money. George Bernard Shaw defended their instincts eloquently, “You have to choose between trusting the natural stability of the honesty and intelligence of the members of the government,” he said “and with due respect to these gentlemen, I advise to vote for gold.”

Based on your understanding to the passage, answer the questions given below.

- (i) When was King Tutankhamen buried?
 - (a) 1717
 - (b) 1886
 - (c) 3300 years ago
 - (d) 1848
- (ii) Why did Egyptians hold gold in great esteem?
 - (a) because it is a good conductor of electricity.
 - (b) because of its religious significance.
 - (c) for lovely gold ornaments.
 - (d) because it is indestructible.
- (iii) According to the passage, which of the following statements is NOT true?
 - (a) Gold is the best conductor of electricity.
 - (b) Apart from gold, copper and silver are good conductors of electricity.
 - (c) Gold can be easily beaten, hence it is easy to work with.
 - (d) Gold plays an important role in the modern electronics industry.
- (iv) Select the option that displays what the writer projects, with reference to the following:
The wandering Israelites worshipped a golden calf _____.
 - (a) importance of religion
 - (b) importance of the metal
 - (c) good conductor
 - (d) can replace money
- (v) How were the black labourers exploited
- (vi) Complete the following with the phrase from paragraph:

Opinion	Reason
	King Tutankhamen was buried in a solid gold coffin 3300 years ago.

- (vii) Based on your reading of the text list 2 reasons why the writer says that....
Not only is gold beautiful but it is virtually indestructible. Who launched South Africa into the gold age?
- (viii) _____ launched South Africa into the gold age.
 - (a) Issac Newton
 - (b) George Harrison
 - (c) George Bernard Shaw
 - (d) A farmer
- (ix) Select the option that corresponds to the following:
The ancient Egyptians and the modern electronic industry both held gold in high esteem.
 - (a) The hardworking student came first because of his diligent practice.
 - (b) Honesty is underrated whereas strategy is appreciated.
 - (c) The vibrant colours made the interiors look luminous.
 - (d) The steaming food was both appetizing and tasty.
- (x) Supply one point to justify the following:
The desire to hoard gold at home has been primarily an occupation of the working and peasant classes.

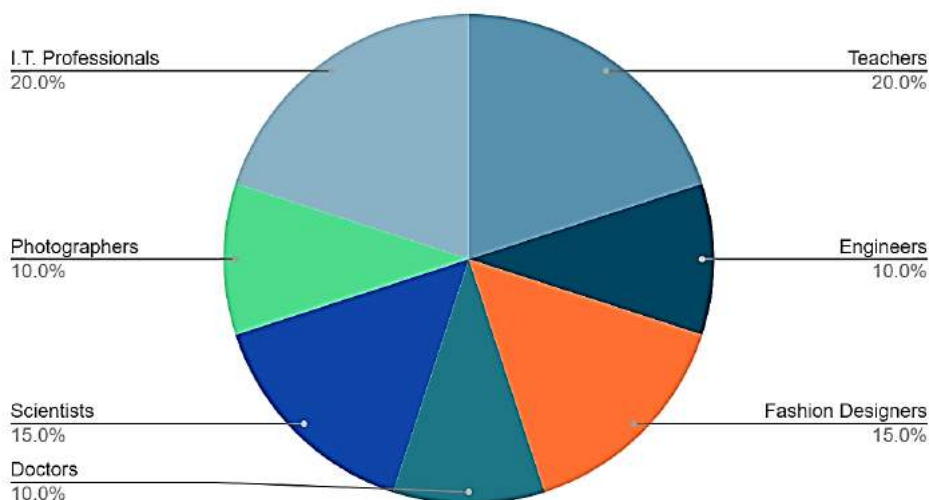
POINTS TO REMEMBER:

1. Do not copy same lines from the given paragraph in your answers. Understand the paragraph and frame your answers in your language.
2. Read the given paragraph twice to understand it well.
3. Focus on correct grammar, correct sentence formation, appropriate use of punctuation marks and correct spellings.

3. You are Ankit / Ankita of Mahavir Public School, Delhi. You have seen an advertisement in ‘The Times of India’ regarding the starting of new batches of ‘Astronomy Club’ by the National Science Centre. You wish to join the club. Write a letter to the Director, enquiring about the venue, duration, fee-structure, activities, etc. (Word limit 100-125 words)

4. In an exclusive survey conducted by a leading daily, students of class X expressed their job preferences. On the basis of the information given in the pie chart, write a paragraph analysing the careers they want to pursue after school. (word limit 100 – 120 words)

Points scored



Pay special attention to:

- a. Grammatical correctness
- b. Correct punctuation marks
- c. Correct spellings
- d. Use good vocabulary words
- e. Do not write your personal opinion in Analytical Paragraph
- f. Give special focus on format of letter to editor.

5. CBSE has prescribed ASL (Assessment for Speaking and Listening) to enhance students` speaking and listening skills. Listen to the link Given below to enhance your speaking and listening skill. You can also watch and listen some other videos from google.

Speaking Link : <https://youtu.be/9pwSK5CSYYU?si=ZdApN56eCFi8aHiD>

Listening Link : https://youtu.be/mg_E-FkkDj8?si=hjOW_yvH1w_IN3T3

HINDI

➤ Solve Periodic Test 1 Hindi in your notebook.

1. निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर दिए गए प्रश्नों के लिए उचित विकल्प चुनिए: (हिंदी नोटबुक में लिखिए)
- परिश्रम यानी मेहनत अपना जवाब आप ही है। उसका अन्य कोई जवाब न है, न हो सकता है अर्थात् जिस काम के लिए परिश्रम करना आवश्यक हो, हम चाहे कि वह अन्य किसी उपाय से पूरा हो जाए, ऐसा हो पाना कतई संभव नहीं। वह तो लगातार और मन लगाकर परिश्रम करने से ही होगा। इसी कारण कहा जाता है कि 'उद्योगिनं पुरुष सिंहमुपैति लक्ष्मी' अर्थात् उद्योग या परिश्रम करने वाले पुरुष सिंहों का ही लक्ष्मी वरण करती है। सभी प्रकार की धन-संपत्तियाँ और सफलताएँ लगातार परिश्रम से ही प्राप्त होती हैं। परिश्रम ही सफलता की कुंजी है, यह परीक्षण की कसौटी पर कसा गया सत्य है। निरंतर प्रगति और विकास की मंजिलें तय करते हुए हमारा संसार आज जिस स्तर और स्थिति तक पहुँच पाया है, वह सब हाथ पर हाथ रखकर बैठे रहने से नहीं हुआ। कई प्रकार के विचार बनाने, अनुसंधान करने, उनके अनुसार लगातार योजनाएँ बनाकर तथा कई तरह के अभावों और कठिनाइयों को सहते हुए निरंतर परिश्रम करते रहने से ही संभव हो पाया है। आज जो लोग सफलता के शिखर पर बैठकर दूसरों पर शासन कर रहे हैं, आदेश दे रहे हैं, ऐसी शक्ति और सत्ता प्राप्त करने के लिए पता नहीं किन-कन रास्तों से चलकर, किस-किस तरह के कष्ट और परिश्रमपूर्ण जीवन जीने के बाद उन्हें इस स्थिति में पहुँच पाने में सफलता मिल पाई है। हाथ-पैर हिलाने पर ही कुछ पाया जा सकता है, उदास या निराश होकर बैठ जाने से नहीं। निरंतर परिश्रम व्यक्ति को चुस्त-दुरुस्त रखकर सजग तो बनाता ही है, निराशाओं से दूर रख आशा-उत्साह भरा जीवन जीना भी सिखाया करता है।

(क) परीक्षण की कसौटी पर कसे जाने से तात्पर्य है—

- | | |
|---------------------------------|--------------------------------|
| (i) सत्य सिद्ध होना | (ii) कथन का प्रामाणिक होना |
| (iii) आकलन प्रक्रिया तीव्र होना | (iv) योग्यता का मूल्यांकन होना |

(ख) 'हाथ-पैर हिलाने से कुछ पाया जा सकता है।' पंक्ति के माध्यम से लेखक ----- की प्रेरणा दे रहे हैं।

- | | | | |
|------------|--------------|---------------|-----------------|
| (i) तैराकी | (ii) परिश्रम | (iii) परीक्षण | (iv) हस्त शिल्प |
|------------|--------------|---------------|-----------------|

(ग) निम्नलिखित कथनों पर विचार कीजिए —

- (I) परिश्रम व्यक्ति को सकारात्मक बनाता है।
- (II) आज संसार पतन की ओर बढ़ रहा है।
- (III) पुरुषार्थ के बल पर ही व्यक्ति धनार्जन करता है।

उपर्युक्त कथनों में से कौन-सा / कौन-से कथन सही है / हैं?

- | | | | |
|--------------|----------------|--------------------|--------------------|
| (i) केवल (I) | (ii) केवल (II) | (iii) (I) और (III) | (iv) (II) और (III) |
|--------------|----------------|--------------------|--------------------|

(घ) निम्न से खत में से कौन-सा शब्द गद्यांश में दिए गए 'अनुसंधान' शब्द के सही अर्थ को दर्शाता है—

- | | | | |
|-------------|--------------|---------------|-----------------|
| (i) परीक्षण | (ii) योजनाएँ | (iii) अन्वेषण | (iv) सिंहमुपैति |
|-------------|--------------|---------------|-----------------|

(ङ) निम्नलिखित में से किस कथन को गद्यांश की सीख के आधार पर कहा जा सकता है—

- (i) अल्पज्ञान खतरनाक होता है।
- (ii) गया समय वापस नहीं आता है।
- (iii) मेहनत से कल्पना साकार होती है।
- (iv) आवश्यकता अविष्कार की जननी है।

2. रचनात्मक लेखन (कहानी लेखन)

कल्पना के पंख

भविष्य में आप क्या बनना चाहोगे और वह बनने के बाद आप क्या और कैसे कार्य करेंगे देश की उन्नति में आपका क्या सहयोग एवं योगदान होगा अपनी कल्पना के आधार पर कहानी तैयार करके लिखिए।

3. हिंदी परियोजना कार्य

1) भक्तिकाल – एक प्रेम मार्ग–

संत श्री कबीर दास जी और कवयित्री श्री मीराबाई जी की चित्र सहित जानकारी लिखिए।

2) इतिहास के झरोखे से विचाराभिव्यक्ति:–

सविनय अवज्ञा आंदोलन एवं असहयोग आंदोलन की जानकारी चित्र सहित लिखिए।



4. वाचन कौशल (कोई एक)

18वीं लोकसभा इलेक्शन पर चर्चा ।

अथवा

चुनाव में EVM की भूमिका का सकारात्मक एवं नकारात्मक प्रभाव ।

(वाचन कौशल में ध्यान पूर्वक सही शब्दों का प्रयोग करेंगे)

https://youtu.be/1XzZ9D9frQg?si=L54CG2_j61UW_ww2

MATHEMATICS

- **Solve Periodic Test 1 Mathematics in your notebook.**

- **Complete the following activities in your Laboratory Manual**
 - (i) To draw the graph of a quadratic polynomial.
 - (ii) To verify the conditions of consistency/ inconsistency for a pair of linear equations in two variables by graphical method.
 - (iii) To verify given sequence is an arithmetic progression.
 - (iv) To establish a formula for the sum of first n terms of an Arithmetic Progression.

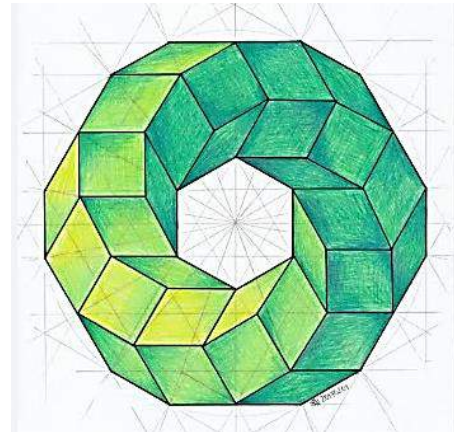
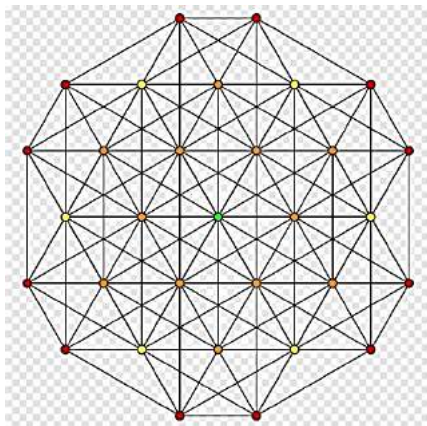
➤ **STUDENT PORTFOLIO ENRICHMENT ACTIVITIES:**

Mathematical Design and Patterns using Arithmetic Progression

https://www.youtube.com/watch?v=5-cu_SD28EA

<https://www.youtube.com/watch?v=YAPlgQ5QCDO>

Note: *The above links are for the reference only. Use your own creativity.*



SCIENCE

- **Solve Periodic Test 1 Science in your notebook.**
- **STUDENT PORTFOLIO ENRICHMENT ACTIVITIES:**

A. Objective: Create a comprehensive portfolio about the life and contributions of the following scientists:

- Antoine Lavoisier (Roll No. 1-8)
- Benjamin Franklin (Roll No. 9-17)
- Sidney Fox (Roll No. 18-26)
- Swedish Svante Ahhenius (Roll No. 27-35)
- Faraday (Roll No. 36-40)

Note: Make the Portfolio according to your given Roll No.

Steps to Create the Portfolio

1. Cover Page:

- Title: "Portfolio on Sidney Fox"
- Your Name
- Class
- Date
- A picture of Sidney Fox (if available)

2. Table of Contents:

- Introduction
- Early Life and Education
- Major Scientific Contributions
- Key Experiments and Discoveries
- Impact on Science and Society
- Personal Reflections
- References

Presentation Guidelines

- **Format:** The portfolio can be hand-written or typed. If hand-written, ensure your handwriting is neat and legible.
- **Length:** Aim for 5-7 pages, including pictures and diagrams.
- **Visuals:** Use images, diagrams, and charts to make your portfolio visually appealing. Ensure all visuals are properly labelled.
- **Clarity and Organization:** Make sure your portfolio is well-organized with clear headings and subheadings. Ensure there are no spelling or grammatical errors.
- **Creativity:** Feel free to add creative elements such as quotes, fun facts, or a timeline of Sidney Fox's life and achievements.

B. Build a Simple Electric Motor



<https://youtu.be/WI0pGk0MMhg?si=ctdI3zBYE6aOFUIB>

SOCIAL SCIENCE

➤ **Solve Periodic Test 1 Social Science in your notebook.**

➤ **STUDENT PORTFOLIO ENRICHMENT ACTIVITIES:**

Instructions for Students

Objective: Create a detailed project on one of the following topics based on your roll number. This project aims to enhance your understanding of important social and economic issues, promote research skills, and develop your ability to present information clearly and effectively.

Topics Based on Roll Numbers

1. Roll Numbers 1-13: Consumer Awareness
2. Roll Numbers 14-26: Social Issues
3. Roll Numbers 27-40: Sustainable Development

Project Guidelines

1. Consumer Awareness

- **Introduction:** Define consumer awareness. Explain its importance in today's economy.
- **Consumer Rights and Responsibilities:** List and describe the rights and responsibilities of consumers.
- **Consumer Protection Act:** Summarize the key provisions of the Consumer Protection Act. Mention any recent amendments.
- **Common Consumer Exploitation Practices:** Describe common ways consumers are exploited and provide examples.
- **Case Studies:** Include at least two case studies where consumer rights were upheld through legal intervention.
- **Creating Awareness:** Suggest ways to spread consumer awareness among the public.
- **Conclusion:** Summarize your findings and reflect on the importance of consumer awareness.

2. Social Issues

- **Introduction:** Define social issues and their significance.
- **Identifying Social Issues:** List and briefly describe major social issues in India (e.g., poverty, gender inequality, unemployment, child labor, etc.).
- **In-depth Analysis:** Choose one social issue and provide an in-depth analysis:
- **Causes:** Discuss the root causes of the issue.
- **Impact:** Explain the impact on individuals, communities, and the nation.
- **Solutions and Government Policies:** Describe existing solutions and government policies addressing the issue.
- **NGO Involvement:** Highlight the role of NGOs in mitigating the issue.
- **Case Study:** Present a case study of an initiative or project that has successfully addressed the chosen social issue.
- **Conclusion:** Summarize your findings and suggest additional measures that can be taken to address the issue.

3. Sustainable Development

- **Introduction:** Define sustainable development and its goals.
- **Principles of Sustainable Development:** Outline the key principles.

- **United Nations Sustainable Development Goals (SDGs):** List and briefly describe the 17 SDGs.
- **Focus on a Specific SDG:** Choose one SDG and analyze it in detail:
- **Objective:** Explain the objective of the chosen SDG.
- **Current Status:** Discuss the current status of the goal at the national and global levels.
- **Challenges:** Identify the challenges in achieving this goal.
- **Efforts and Initiatives:** Highlight major efforts and initiatives by governments, organizations, and communities to achieve this goal.
- **Case Study:** Include a case study of a successful project or initiative that contributed to sustainable development.
- **Conclusion:** Summarize your findings and reflect on the importance of sustainable development.

Presentation and Submission

- **Format:** The project can be handwritten or typed. Ensure it is neatly organized and presented.
- **Length:** Aim for 10-15 pages, including visuals and references.
- **Binding:** Submit your project in a folder or binder to keep it intact.

Help from the following links can be taken to prepare your file.

- a) <https://youtu.be/4xZaDQZiktQ?si=huBBCbuk2k2AUnX5>
- b) <https://youtu.be/cnHeeqKzlns?si=gUGBMCw24-qGSD1P>
- c) <https://youtu.be/eWU-zQJm2cQ?si=Qd5w-Ph-8VMYtAP0>

PROJECTS FOR CBSE EXPRESSION SERIES- 2024

- Write an **Essay** (700 words) or make a **Painting** (A4 size Sheet) or a **Poem** on **ANY ONE** of the given topics:

A Nation can develop only if all are educated

OR

To save environment, my suggestions are....

Revise all the syllabus done till date (Class Test will be conducted after the Summer Break).

HAPPY HOLIDAYS!