



NEW INDIA SENIOR SECONDARY SCHOOL, PANCHKULA
SUMMER VACATION ASSIGNMENT 2024

CLASS – IX



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 with pencil.

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) If you're like most kids, you may love snow. Not only can it get you out of school, but it's also fun to play with. Who doesn't love to sled and build snowmen? Snow can also be dangerous, too. You may have heard your parents talk about how difficult it can be to drive in snow. Car accidents aren't the only dangers created by snow. If you're ever skiing in the mountains, you'll want to be aware of avalanches. An avalanche is a sudden flow of snow down a slope, such as a mountain. The amount of snow in an avalanche will vary based on many things, but it can be such a huge pile that it can bury the bottom of a slope in dozens of feet of snow.

(2) Avalanches can be caused by many things. Some of them are natural. For example, new snow or rain can cause built up snow to loosen and fall down the side of a mountain. Earthquakes and the movement of animals have also been known to cause avalanches. Artificial triggers can also cause avalanches. For example, snowmobiles, skiers, gunshots and explosives have all been known to cause avalanches. Avalanches usually occur during the winter and spring, when snowfall is greatest. As they are dangerous to any living beings in their path, avalanches have destroyed forests, roads, railroads and even entire towns.

(3) Warning signs exist that allow experts to predict – and often prevent – avalanches from occurring. When over a foot of fresh snow falls, experts know to be on the lookout for avalanches. Explosives can be used in places with massive snow build-ups to trigger smaller avalanches that don't pose a danger to persons or property. When deadly avalanches do occur, the moving snow can quickly reach over 80 miles per hour. Skiers caught in such avalanches can be buried under dozens of feet of snow. While it's possible to dig out of such avalanches, not all are able to escape.

(4) If you get tossed about by an avalanche and find yourself buried under many feet of snow, you might not have a true sense of which way is up and which way is down. Some avalanche victims have tried to dig their way out, only to find that they were upside down and digging themselves farther under the snow rather than to the top! Experts suggest that people caught in an avalanche try to “swim” to the top of the moving snow to stay close to the surface. Once the avalanche stops, do your best to dig around you to create a space for air, so you can breathe easier. Then, do your best to figure out which way is up and dig in that direction to reach the surface and signal rescuers.

Based on your understanding of the passage, answer the questions given below:

- (i) Complete the sentence by choosing an appropriate option: Avalanche can be caused by _____.
(a) new snow or rain (b) heavy winds (c) high altitude (d) global warming
- (ii) Comment on warning signs exist which allows experts to predict avalanche can be caused by.
- (iii) Mention two reasons which destroyed the natural scenery.
- (iv) Select the option that conveys opposite of 'trigger':
(a) provoke (b) spark (c) cause (d) prevent
- (v) The writer will agree with the given statement based on last paragraph –
(a) People caught in the Avalanche can try to swim to the top.
(b) Put on an oxygen mask.
(c) Digging is not possible.
(d) Should not come close to the surface.
- (vi) Select the option that corresponds to the following relation below:
You may not have an idea of which way is up and which way is down.
(a) The crowd will gather at Gate No. 1 and disperse from Gate No. 2.
(b) Due to the torrential rain, there was heavy flooding.
(c) The guest felt uneasy and uncomfortable watching the child's performance.
(d) The more the effort, the bigger the gain.
- (vii) The major causes which do not trigger avalanche:
(a) Earthquakes (b) Heavy Rain (c) Snow fall (d) Plastic waste
- (viii) Explosives can be used in places _____. (complete the sentence)
- (ix) The word 'deadly' in the (3) paragraph most nearly means:
(a) likely to cause death (b) harmful (c) very boring (d) scary
- (x) Select the most suitable title for the above passage:
(a) Avalanches (b) Adventure with Snow (c) Ice Games (d) Calamity

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 lie in your bed chamber listening to the patter of the rain. Many memories of your childhood occupy your mind. Write a diary entry in about 100-150 words about the most important experience that you can recollect.

4. **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_vvH1w_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)
- प्रायः लोग मोह को बढ़ाकर, तृष्णा को उत्पन्न कर अपनी स्थिति दयनीय बना लेते हैं। प्रभु तो उनकी सहायता करते हैं, जो अपनी सहायता स्वयं करते हैं। आत्मनिर्भरता स्वावलंबियों की आराध्य देवी है। इस देवी—उपासना से उनका आलस्य अंतर्धान हो जाता है, डरकर भाग जाता है, कायरता नष्ट हो जाती है तथा संकोच समाप्त हो जाता है। आत्मविश्वास उत्पन्न होता है, आत्मगौरव जाग्रत होता है। स्वावलंबी व्यक्ति कष्टों और बाधाओं को रौंदता हुआ कंटकाकीर्ण पथ पर निर्भीकता पूर्ण आगे बढ़ता है। स्वावलंबन मानव में गुणों की प्रतिष्ठा करता है। आत्म सम्मान, आत्मविश्वास, आत्मबल, आत्म निर्भरता, आत्मरक्षा, साहस, संतोष, धैर्य आदि गुण स्वावलंबन के सहोदर हैं। ऐसे महान, प्रचंड, शक्ति संपन्न, स्वावलंबी मनुष्य समाज तथा राष्ट्र का जीवन हैं। ऐसे व्यक्ति समाज तथा राष्ट्र के लिए बल, गौरव एवं उन्नति के द्वार हैं। सुख, शांति तथा सफलता के प्रदाता हैं, आत्म निर्भरता के परिचायक हैं, शौर्य, शक्ति तथा समृद्धि के साधन हैं। स्वावलंबन व्यक्ति, राष्ट्र तथा मानवमात्र के जीवन में सर्वांगीण प्राप्ति का महामंत्र है। जीवन का आभूषण है। कर्तव्य श्रृंखला की प्रथम कड़ी है, वीरों तथा कर्मयोगियों का इष्ट देव है और सर्वांगीण उन्नति का आधार है।

(क) मोह और तृष्णा को बढ़ाकर लोग क्या करते हैं?

(i) धन कमाते हैं।

(ii) यश प्राप्त करते हैं।

(iii) अपनी स्थिति दयनीय बना लेते हैं।

(iv) उन्नति कर लेते हैं।

(ख) स्वावलंबियों की आराध्य देवी है—

(i) दुर्गा

(ii) सरस्वती

(iii) लक्ष्मी

(iv) आत्मनिर्भरता

(ग) मानव में गुणों की प्रतिष्ठा कौन करता है?

(i) धन

(ii) बल

(iii) स्वावलंबन

(iv) ज्ञान

(घ) स्वावलंबन के सहोदर हैं—

(i) आत्म सम्मान, आत्म विश्वास

(ii) आत्मबल, आत्म निर्भरता, आत्मरक्षा

(iii) आत्म सम्मान, आत्म विश्वास

(iv) उपर्युक्त सभी

(ङ) मानव की सर्वांगीण उन्नति का आधार है—

(i) धन

(ii) बल

(iii) मित्र

(iv) स्वावलंबन

रचनात्मक लेखन (पत्र)

i) संयुक्त परिवार की महत्त्वता बताते हुए अपने छोटे भाई को एक पत्र लिखिए।

अथवा

ii) आप अभिषेक आहूजा/ गायत्री आहूजा हैं। अपने पुत्र को मधुर वाणी की उपयोगिता बताते हुए एक पत्र लिखिए।

(संवाद)

i) नौवीं कक्षा में प्रवेश हेतु विषय चयन के संबंध में दो विद्यार्थियों के मध्य हुए संवाद को लिखिए।

अथवा

ii) समय के महत्त्व के विषय में पिता और पुत्र के मध्य वार्तालाप को संवाद के रूप में लिखिए।

हिंदी परियोजना कार्य

i) उनाकोटी के प्रसिद्ध मंदिरों के महत्त्व के साथ जानकारी एकत्रित कर के चित्र के साथ लिखिए।



**Maa Bhabatarini mandir,
Kalishashon**



Chaturdas Devata Mandir

ii) चंद्रयान मिशन में शामिल भारतीय वैज्ञानिकों के नाम लिखिए और उनके चित्र भी चिपकाएं।



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

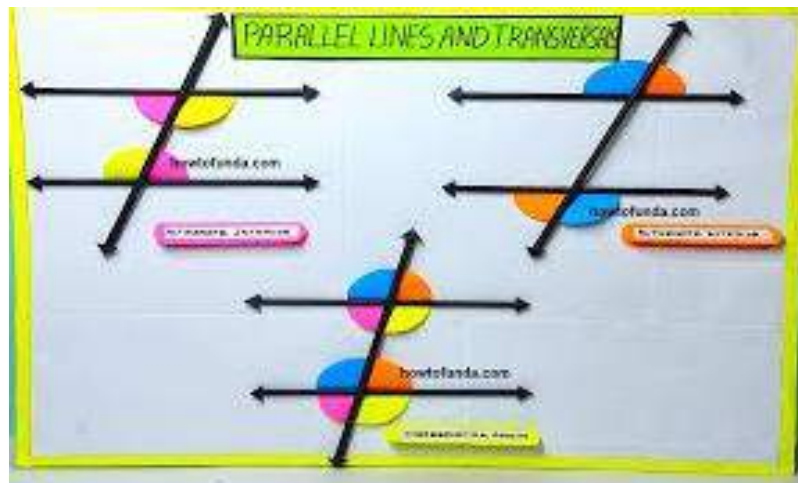
नोट:- आपकी कक्षा में जो गतिविधियाँ हुई थीं। जिन छात्रों ने कक्षा में नहीं दी थी, वे सभी छात्र पहली दोनों गतिविधियाँ भी बनाएंगे। कक्षा में करवाई गई गतिविधियाँ भी जमा करवानी है।

MATHEMATICS

- Solve Periodic Test 1 Mathematics in your notebook.
- Complete the following activities in your Laboratory Manual
 - (i) To construct a square-root spiral.
 - (ii) To obtain $\sqrt{6.5}$ on the number line.

➤ STUDENT PORTFOLIO ENRICHMENT ACTIVITIES:

1. Make a working model on Transversal of Parallel Lines.



- https://youtu.be/2ugoL_iZhjA?si=-7L91IDMj2ehqzUr
- <https://youtu.be/nzEdDTstn70?si=sI5Ado33EM9V61zR>

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

2. Game of coordinate plane

Direction: Plot the points on the graph (origin should be at the centre of your graph). Connect the points with line segments as you plot them. Keep connecting the points until you see LINE ENDS. Then start the next group. Shade in when finished.

1. (-5, -3)	(7, 10)	4. (5, -3)	6. (5, 0)	9. (-3, -7)	11. (4, -1)
(-4, -5)	(8, 10)	(4, -5)	(4, -1)	(-1, -8)	(4, 0)
(-3, -7)	(9, 7)	(3, -7)	(2, -1)	(1, -8)	(3, -1)
(-3, -6)	(8, 4)	LINE ENDS	(4, 0)	(2, -6)	SHADE IN
(-2, -4)	(7, 1)		(5, 0)	(1, -5)	LINE ENDS
(-1, 0)	(3, 4)	5. (7, 1)	LINE ENDS	(-1, -5)	
LINE ENDS	(0, 1)	(8, -3)		(-2, -6)	12. (-7, 4)
	(-3, 4)	(9, -7)	7. (1, 0)	(-1, -8)	(-7, 9)
2. (-7, 1)	(-7, 1)	(8, -7)	(2, -4)	SHADE IN	(-4, 6)
(-8, 4)	LINE ENDS	(7, -6)	(3, -6)	LINE ENDS	(-4, 5)
(-9, 7)		(4, -9)	(3, -7)		(-6, 3)
(-8, 10)	3. (-5, 0)	(1, -10)	(1, -8)	10. (4, 6)	(-7, 4)
(-7, 10)	(-4, 0)	(-1, -10)	LINE ENDS	(7, 9)	SHADE IN
(-5, 9)	(-2, -1)	(-4, -9)		(7, 5)	LINE ENDS
(-3, 7)	(-4, -1)	(-7, -6)	8. (-4, -1)	(6, 4)	
(-2, 6)	(-5, 0)	(-8, -7)	(-4, 0)	(4, 5)	
(0, 7)	LINE ENDS	(-9, -6)	(-3, -1)	(4, 6)	
(2, 6)		(-8, -2)	SHADE IN	SHADE IN	
(3, 7)		(-7, 1)	LINE ENDS	LINE ENDS	
(5, 9)		LINE ENDS			

SCIENCE

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

➤ **STUDENT PORTFOLIO ENRICHMENT ACTIVITIES:**

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

- a) Antoine Lavoisier (Roll No. 1-8)
- b) Sir Isaac Newton (Roll No. 9-17)
- c) Theodor Schwann (Roll No. 18-26)
- d) Isaac Borrow (Roll No. 27-35)
- e) John Dalton (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.

SOCIAL SCIENCE

➤ Solve Periodic Test 1 Social Science in your notebook.

STUDENT PORTFOLIO ENRICHMENT ACITIVITIES:

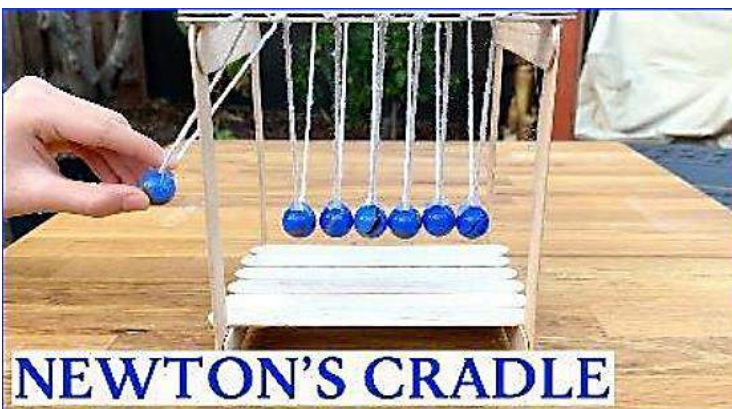
- **Map Activity:**

On an A4 size sheet draw a physical map of India and show the different physical features of India by using different colours and your own creativity.

- **Case Study on Condition of Women in France in 1789:**

Use A4 sized pastel sheets for the Case Study.
Add aesthetics to make it attractive.

- **Newton's Cradle Working Model**



https://youtu.be/vE8UeU7RNKk?si=DCLtk1iC_stlvSMf

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!