NEW INDIA HIGH SCHOOL PINJORE

WINTER BREAK ASSIGNMENT 2025-26

CLASS - VII

Hello Winter

HAVE A SAFE, WARM AND FUN WINTER BREAK!

DECEMBER 31, 2025 TO JANUARY 15, 2026

(THE SCHOOL REOPENS ON JANUARY 16, 2026)

NAME_____   ROLL NO._____

www. newindiapinjore.in

Dear Parents,

Greetings from NIHS!

- ❖ Kindly find enclosed Holiday Homework for your ward. It is to be done during winter holidays i.e. from **Dec 31, 2025 to Jan 15, 2026.**

- ❖ Help your ward to complete his/her work and submit the same on **Jan 16, 2026** when school reopens after winter holidays.

- ❖ To complete the Holiday Home work, motivate the child to do the activity by himself/herself under your supervision.

- ❖ Kindly make your ward to revise the work done in notebook.

Note: Utilize free time of your child by promoting reading good books, watch motivating videos / films, do physical activity and engage in home task of daily routine. Teach them the core values of your family and keep socializing for celebrations & spreading happiness. Looking forward to greet them with cheerful faces Next Year!

What an exciting time of year! The New Year is a great time of year for reminiscing and looking forward to new adventures. Often there are parties, fireworks and family gatherings that we all love. Children can join in the fun with bright and colourful New Year crafts.

ENGLISH

❖ **Write down a blog on the topic:**

1.) Listen to the weather forecast for the regular seven days and write a report about it in 150 words on an A-4 size Sheet.

OR

Listen to the podcast of our ex-President of India Dr. A.P.J Abdul Kalam and write down the summary of it in 100-150 words on an A-4 size sheet.

हिन्दी

1. "**बोलती तस्वीरें**" – घर की 5 पुरानी तस्वीरें लें और हर तस्वीर के लिए 8-10 वाक्यों में वर्णन A4 शीट पर लिखें मानो तस्वीर बोल रही हो ("मैं वो दिन हूँ जब...")। सबसे अच्छा वर्णन के लिए मम्मी-पापा से प्रमाणपत्र दिलवाएं ।

अथवा

एक पॉकेट डायरी बनानी है जिसमें विद्यार्थी अपने PT-2 पाठयक्रम से मुश्किल शब्दों को चुनेंगे और उसका अर्थ स्पष्ट करेंगे ।

2. **प्रदूषण और पर्यावरण संरक्षण** पर आधारित पोस्टर बनाइए ।

MATHEMATICS

I. SUBJECT ENRICHMENT ACTIVITY

Links are given below for your reference

(For odd roll numbers)

1. Chapter – 7 (TRIANGLE AND ITS PROPERTIES)
   To make a model "To explain Angle Sum Property of a triangle."
   https://youtu.be/6JaI69Nofrw

   (For even roll numbers)

2. Chapter – 8 (COMPARING QUANTITIES)
   To make a working model " To explain the rules of fraction with examples."
   https://youtu.be/4mkJyUJ7dOU

II. **Measure your room** – Measure length and breadth of your room. Calculate area and perimeter. Create a scaled floor plan using graph paper.

OR

Tessellation Art: Create a tessellation pattern using triangles, quadrilaterals or hexagons (no gaps). Decorate it and explain the Maths concept behind tessellation.

REVISION WORKSHEET

I. Choose the correct option for the following

1. Mean of the first six prime numbers is_____.

   (a) 7.83   (b) 5.83   (c) 6.83   (d) 4.83

2. What is the mode of the following set of numbers?

   1, 2, 3, 2, 1, 5, 6, 1

   (a) 3   (b) 1   (c) 2   (d) 5

3. The range of 35, 40, 22, 17, 65, 31, 78, 33 is_____.

   (a) 35   (b) 17   (c) 61   (d) 33

4. $a^3 \times a^2 \times a^{-1} =$ _____

   (a) a (b) a^6 (c) a^5 (d) a^4

5. $9^0 - 8^0 + 7^0 - 6^0 + 5^0 - 4^0 =$ _____ .

   (a) 4   (b) 0   (c) 2   (d) -1

6. Find the angle x in the given figure.
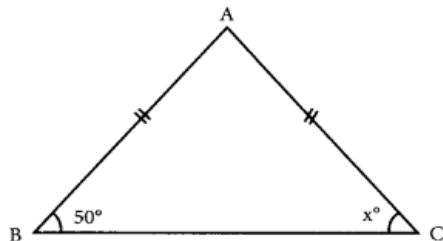
   (a) 40°   (b) 45°   (c) 50°   (d) 60°

II. Solve the following questions

1. In the given diagrams, find the value of x in each case.
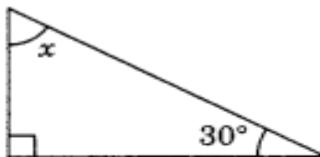
         (i)   (ii)
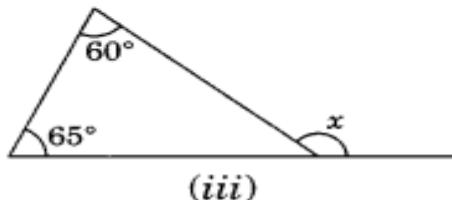
         (iii)

2. Determine the Mean of the first five whole numbers.

3. The marks out of 100 obtained by the group of students in the science test in their class are 85, 76, 90, 56, 95, 85, 39, 48, 81 and 75.
Now Find the:
    (a) Highest and lowest marks obtained by the students.
    (b) Range of the marks obtained.
    (c) Mean marks obtained by the student's group.

4. Total number of students in different classes of a senior secondary school in 2021 – 2022 is given in the following table.

| Class	VI	VII	VIII	IX	X	XI	XII
Number of students	250	275	300	250	300	225	200

   Represent the data using bar graph.

5. Draw the double bar graph of the career choices by certain number of boys and girls of a school.

Career	Engineer	Doctor	Pilot	Fashion Designer	Lawyer
Boys	300	400	550	600	700
Girls	350	370	350	400	500

III. Case-study based question

1. Study the following graph and answer the questions carefully:
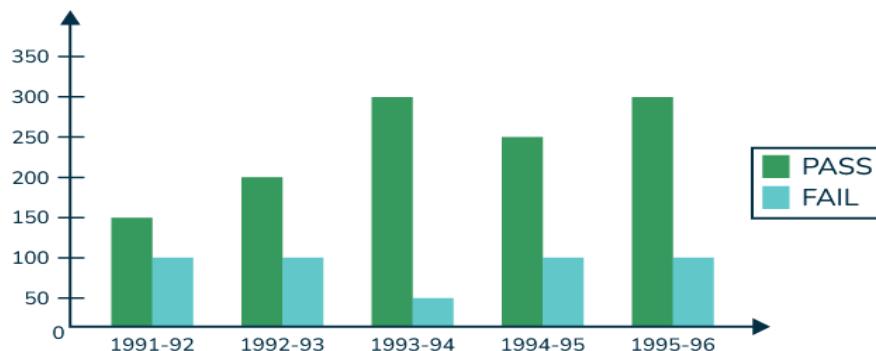
a) The difference of number of students passed to those failed is minimum in which year?
b) What is an approximate percentage of students failed during 5 years?
c) What is an average number of students failed in the school in last 5 years?

SCIENCE

1) Working Model on 'Respiratory System':
Materials:
- 2 small balloons (to represent lungs)
- 1 large balloon (to represent the diaphragm)
- Transparent plastic bottle (cut in half, to represent the chest cavity)
- Straw (to represent the trachea)
- Rubber bands or tape
- Scissors

Procedure:
1. **Prepare the chest cavity:**
- Take a clear plastic bottle and cut off the bottom. This bottle represents the chest cavity.
2. **Prepare the lungs:**
- Take 2 small balloons and attach them to the two ends of a "Y-shaped" straw. The straw represents the trachea branching into bronchi.
- Make sure the balloons are tightly fitted and airtight.
3. **Attach the diaphragm:**
- Stretch the large balloon over the open bottom of the bottle. This balloon represents the diaphragm.
- Secure it tightly with a rubber band so that it doesn't leak air.
4. **Assemble the model:**
- Insert the Y-shaped straw with the balloons into the neck of the bottle.
- The small balloons (lungs) should hang freely inside the bottle.
5. **Demonstrate breathing:**
- Pull the large balloon (diaphragm) downward. The small balloons (lungs) inflate.
- Push the diaphragm balloon upward. The small balloons deflate.
   https://youtu.be/fybV8zIGyu8?si=5YHATxRbvtItHrq2

OR

2) Biodegradable Plastic Project
Material Required:
- Corn starch
- Water & vinegar

Procedure:
- Mix the ingredient smoothly without lumps, add a drop or two of food colour.
- Place the pan on heat.
- Pour and spread onto wax paper.
- Let it dry.

SOCIAL SCIENCE

1) Current Affairs Report

- Task: Collect 5–10 news items about India or the world related to geography, society, or government.

- Present: In a notebook with short summaries and pictures.

OR

2) Famous Leaders' Quotes Booklet

- Task: Make a small booklet with:

- Famous quotes from leaders like Mahatma Gandhi, Rani Lakshmi Bai, Jawaharlal Nehru
- Add short explanations about what each quote means.

- Skills: Reading, understanding, writing.