



Estd. 1994

SANT NISCHAL SINGH PUBLIC SCHOOL

LADWA (KURUKSHETRA)



HOLIDAY HOMEWORK (2025-26)



CLASS - VII



SANT NISCHAL SINGH PUBLIC SCHOOL

LADWA

Date : 22-05-2025

Dear Parents

It's vacation time! Time to refresh yourself and visit new places. At the same time, we want our students to learn and explore more. So here we have fun filled holiday homework, It is a great time to learn and explore new things!!

HAPPY
Holidays

- We believe that reading is a great way to improve your language skills, increase your attention span, and expand your vocabulary. Therefore, we encourage you to read as many books as you can during the vacations.
- Spending time in nature and with your elders can also be beneficial for your overall wellbeing. We recommend waking up early in the morning, going for a walk, and enjoying the fresh air.
- Staying hydrated and eating healthy food is crucial during summers. Therefore, we encourage you to drink plenty of water and eat a balanced diet.
- Integrating activities with your curriculum can help you understand the subject matter more deeply and recognize the relationship between different areas of study. Moreover, art integration projects carry marks, so it is essential to submit your work and projects in a neat and presentable manner before 10th July.
- Holiday homework is available on school website. (www.snspsladwa.org)

We hope you have a fantastic summer vacation and take advantage of all the opportunities for learning and growth that it offers.

The School office will remain open from 9:30am to 1:30pm during Vacation.

Admissions are open: Nursery to Class IX & XI.

Note: Summer vacation commences from 26th May 2025, and the school will reopen on 4th July 2025.

Principal
Mrs. Amarjit Kaur Sandhu

Holiday Homework

Class- VII
Subject- Science

Science Models for Class VII A

1. **Hydraulic Lift Model** – Demonstrates Pascal's Law using syringes and tubing. (Roll no. 1 to 6)
2. **Electromagnetic Crane** – Uses an iron nail, copper wire, and a battery. (Roll no. 7 to 12)
3. **Earthquake Detector** – Using a simple pendulum and circuit. 19. **Solar Oven** – Uses sunlight and reflective surfaces to cook. (Roll no. 13 to 18)
4. **Simple Electric Circuit** – Using a battery, wires, switch, and a bulb. (Roll no. 19 to 24)
5. **Crystallization Process** – Growing salt or sugar crystals. (Roll no. 25 to 32)

Science Models for Class VII B

6. **Human Respiratory System Model** – Using straws, balloons, and plastic bottles. (Roll no. 1 to 6)
7. **Water Purification System** – Layers of sand, charcoal, gravel to filter dirty water. (Roll no. 7 to 12)
8. **Photosynthesis Setup** – Show plant oxygen release using an aquatic plant like elodea. (Roll no. 13 to 18)
9. **Saltwater Circuit** – Conductivity of electrolytes. (Roll no. 19 to 24)
10. **Periscope** – Shows the reflection of light using mirrors. (Roll no. 25 to 32)

Science Models for VII C

11. **Volcano Eruption** (Baking Soda + Vinegar) – Shows chemical reactions and gas evolution. (Roll no. 1 to 6)
12. **Working Model of the Heart** – Demonstrates how blood is pumped. (Roll no. 7 to 12)
13. **Acid-Base Indicator Using Natural Dyes** – From red cabbage or turmeric. (Roll no. 13 to 18)
14. **Pollution Detector** (Air or Water) – Simple sensors or indicator papers. (Roll no. 19 to 24)
15. **Simple Water Purifier** – Demonstrates filtration with layers of gravel, sand, and charcoal. (Roll no. 25 to 32)

Science model for VII D

16. **Wind Turbine Model** – Basic generator with a fan or motor. (Roll no. 1 to 6)
17. **Rainwater Harvesting Model** – Small-scale catchment and filtration system. (Roll no. 7 to 12)
18. **Balloon-Powered Car** – Teaches motion and Newton's Third Law. (Roll no. 13 to 18)
19. **Ecosystem in a Bottle** (Terrarium) – Mini self-sustaining ecosystem. (Roll no. 19 to 24)
20. **Magnetic Levitation (Maglev) Train Model** – Uses magnets to demonstrate magnetic repulsion and motion.

(Roll no. 25 to 32)

Art integrated project (compulsory for all)

Soil Types & Crop Suitability

Topic: Soil science and plant growth.

Activity: Make a projector report on Comparison of soil characteristics of alluvial soil (Haryana) vs. red and black soil (Telangana) and link to suitable crops.

Art Integration: Use painting or textured materials to represent soil layers and root systems creatively.

Science:- learn all questions/ answers and book exercise of chapter-1,2 and 9

Subject- Hindi

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- 5 . Revise all grammar topics marked in the class

Subject - S.st

Note :- Use A4 sheets & Compile all the written work in a separate project file.

Imagine you and your friend has formed a political party. Prepare an “election manifesto” For your party .You can design your own election symbol .It should reflect the principle of your party.

Write 10 MCQS from each chapter that is not given in the book exercise.

Make a project report on advantages and disadvantages of population.

a) Make a chart on volcano.(Roll No. 1-8)

(b) Make a chart on interior of the Earth. (Roll No. 9-18)

(c) Draw time line of Mughal Empire AD 1520-1750 (Roll no. 19-27)

(d) Make a chart on Preamble.(Roll No. 28-32)

ART INTEGRATED PROJECT WORK

Compare Haryana and Telangana and bring out their social , economic and political diversities.

English

1 ☐ Be a Reading Detective!

- ☐  Solve five comprehension passages from BBC Module 1.

(Hint: Pretend you're solving a mystery! Read carefully and crack the clues.)

2 ☐ Word Wizard Challenge

- ☐ From Chapter 5 to Chapter 7, pick 20 new words from each and write their meanings.
- ☐ Present your word treasure neatly on an A4 size sheet. You can decorate it too!

3 ☐ Poetry Time – A Tribute to Dad ☐

- ☐ Compose a short and sweet poem for Father's Day.
- ☐ Write it beautifully on an A4 sheet and feel free to add drawings or decorations.

4 ☐ Yoga for Life! ☐

- ☐ Make an attractive poster on “Benefits of Yoga” on an A4 sheet.

(Think of how yoga keeps us calm, strong, and healthy!)

5 ☐ Picture This! ☐

Look at the given picture :



☐ Choose one of the following fun tasks:

- Spot the differences and describe them
- Write a story inspired by the picture
- Explain a process you see happening in it

Use your imagination and write on an A4 sheet.

7 ☐ Art Integrated Activity

. Write a report on lifestyle and food habits of people of Telangana and Haryana.

7 ☐ Managing Emotions Effectively! (Roll No. 1–10)

☐ Conduct a mini survey in your area:

- ☐ Find out how are emotions impact effectively your interaction with others and contribute to your personal growth.
- ☐ Make a report on A4 size sheet.

8 ☐ Story Time (Roll No. 11–20)

- ☐ Create a picture story based on a character who overcomes personal challenges and find his/her unique quality.
- ☐ Write a short story (100–120 words) on an A4 sheet. Let your pictures and words inspire others!

9 ☐ Time To Summarise The Story (Roll No. 21–30)

- ☐ Write a summary any story you have recently read on A4 size sheet.

Be sure to include the main events and lesson you learnt!

- ☐ *Bonus Tip: Be creative. Use colors, stickers and your imagination. Make each task your own masterpiece!* ☐

Mathematics

1. Verify $a - (-b) = a + b$ for the following values of 'a' and 'b'.

- (a) $a = 75, b = 84$
- (b) $a = 118, b = 125$
- (c) $a = 25, b = 30$

2. Write down a pair of integers whose

- (a) Sum is -3. (b) Sum is 0 (c) Difference is 2. (d) Difference is -5

3. In a quiz, positive marks are given for correct answers and negative marks are given for

incorrect answers. If Jack's scores in five successive rounds were 65, -15, -10, 20, 30. What was his total score at the end.

4. In a quiz , team A scored -50, 30,0 and team B scored 60, 30, -40 in three successive rounds. Which team scored more ?
5. The temperature at 12 noon was 10°C above zero. If it decreases at the rate of 2°C per hour until midnight, at what time would the temperature be 8°C below zero? What would be the temperature at midnight?
6. In a class test containing 15 questions 4 marks are given for every correct answer and (-2) marks are given for every incorrect answers :
- i) Gurupreet attempts all question but only 9 of her answers are correct. What is her total score ?
- ii) One of her friends gets only 5 answers correct. What will be her score ?
7. What is the value of $(-22)-[(-23)-(-17)-(-61)](-22)-[(-23)-(-17)-(-61)]$
- 8.What should be subtracted from -9876 to obtain -9512?
9. The temperature of a city is 4°C . Next day the temperature falls by 5°C . What is the temperature of the temperature of the city next

Mathematics

1. Learn tables 6 to 19. Write and Practice them.
2. Watch the Movie "RAMANUJAN" on YouTube and write about his contribution in the field of Mathematics. Also mention the name of theories that he has given to the world of mathematics.
3. Google the "name of the mathematicians who have got the noble prize". Write the name of any 5 mathematicians from the list and also mention the work for which they've got the noble prize.
4. Download and watch the movie "The man who knew Infinity". Write the 10 things that you liked the most. Write two ideas which inspired you to study Mathematics.
5. What is Mean or Arithmetic mean? Write about it. Write the Minimum and Maximum temperature of your area from the newspaper or internet. Find Mean of 'Maximum' Temperatures and Minimum temperatures for 15 days.
6. How many family members do you have? Write their names, their relation with you and their ages. Also find their Mean and Median ages.
7. Review Chapter 1 (Integers) and Chapter 2 (Fractions and Decimals). Be ready for a welcome 'Class Test' on 10th July

Art integrated project: Illustrate the concept of positive and negative integers by representing the rise and fall of the change in temperature throughout the day. Collect data for 7 days and use red and green Glace paper or you can use paint colors to make it more creative to show negative and positive integers.

Note: Use A4 sheet to do this project

Important Note: Revise syllabus which we have done in class

Punjabi

Revise all work done in class both from book and notebook.

Information Technology

Do revision of Chapter 1 & 2.

Project Work: Make a chart and write-up on all categories of apps.