



GURU NANAK PUBLIC SCHOOL RAJOURI GARDEN
HOLIDAY HOMEWORK (2026-27)
CLASS: IX

SUBJECT :- SOCIAL SCIENCE

Activities:-

Q1. Select any one issue such as poverty, unemployment, or environmental degradation. Explain in 5–6 lines how History, Geography, Political Science, and Economics help in understanding this issue. Present your work in the form of a chart.

Q2. Create a poster or collage showing people from different cultures, languages, and regions living together. Use drawings, magazine cuttings, or digital art. A short caption explaining the theme should be added.

Q3. Observe your surroundings for one week and record any changes in temperature, rainfall, or weather patterns. What changes did you notice, and how do you think they are related to climate change?

Q4. Make a project on Disaster Management (any one topic):

- (a) Earthquakes
- (b) Tsunami
- (c) Volcanoes
- (d) Floods
- (e) Landslides
- (f) Drought

Explain with the help of pictures, diagrams, and maps (5–6 sheets).

SUBJECT :- SCIENCE

BIOLOGY

1. Make 3D model of plant cell OR animal cell labelling all organelles.
2. Model: Rotating Nitrogen Cycle – Paper plate model with flaps. Show 5 steps: Nitrogen fixation, Ammonification, Nitrification, Assimilation, Denitrification. Use Exploration Fig 13.5.

PHYSICS

1. Revise chapter Motion.
2. Poster: A3 size “Inertia Saves Lives” – Show 5 examples: seatbelts, airbags, helmets, falling of fruits, dusting carpet. Use pics. Mention which law.

CHEMISTRY

1. Flashcards: Make 20 cards for first 20 elements – Symbol, Atomic No., Mass No., Valency, Common compound.
2. Experiment: Put blue ink in hot water + cold water. Film which spreads faster.

Q. Weather Watch Diary

Observe the weather for 7 days and prepare a Weather Observation Diary.

Include:

Temperature

Humidity

Sunrise/Sunset

Cloud condition

Wind speed/direction

Decorate with drawings, stickers, or charts.

Q. Make an attractive poster on:

“Save Earth, Save Future”

OR

“Science for a Better Tomorrow”

Use catchy slogans and colourful artwork.

Q. Prepare a short project (2–3 pages) on any ONE topic:

Artificial Intelligence

Space Exploration

Climate Change

Famous Indian Scientists

Robotics in Daily Life

***Include* :**

Introduction

Interesting facts

Pictures/Diagrams

Conclusion

SUBJECT :- ENGLISH

Q1. “Voices Around Me” – Listen to any real life conversation/podcast (home/ TV/ market). On A4 size sheet paste the pictures and write-

- * Who were the speakers?
- * What was the topic?
- * What did you understand?

Q2. “Read and Reflect” – Read a newspaper article or short story. Make a creative collage on A3 size sheet of that article/story and answer the following questions given below-

- * What is the main idea?
- * What message does it give?
- * How is it connected to real life?

Q3. “Comic Strip” – Convert any one poem/story from your book into 4-5 boxes. Add dialogues and visuals to make it more creative. Use A4 size sheet.

Q4. “My Life as a Timeline” – Show the life of the poet/author as a pictorial timeline (road or river style) on A3 size sheet. Use the pointers given below.

- * Birth
- * Important life events
- * Achievements
- * Famous works

Note-

* Holidays homework will be assessed on the basis of imaginative ideas, pictures, dialogues, emotions, descriptive language, creativity, content and accuracy.

* Make sure your work is neat, correct and presented creatively in a proper folder.

* Mention your name, class and section clearly on the folder.

SUBJECT :- MATHEMATICS

I) Do the following activities in your activity file neatly objective of the activities are as follows:

1. To make the square root spiral by using paper folding.
2. To obtain the mirror image of a given geometrical figure with respect to x-axis and y-axis.
3. To obtain a linear equation and draw a graph which represents the linear equation.

II) Create any two pictures using plotting of points: Examples:

House, Kite, Robot, Flower

Write all coordinates used. (Do it on separate graph paper)

III) Make a Maths Board Game using concepts from the first three chapters. (Roll no. 1-12)

Examples: Coordinate race, Polynomial ladder, Number system maze

Use dice/cards creatively.

IV) Number Tree Activity (Roll no. 13-24)

Make a colourful "Number Family Tree" showing:

Natural Numbers, Whole Numbers, Integers, Rational Numbers, Irrational Numbers, Real Numbers

Use arrows, colours, and examples.

V) Treasure Map Activity (Roll no. 25 onwards)

Draw a coordinate plane and mark locations such as: School, Park, Hospital, Library, Home

Write coordinates of each place.

Decorate like a treasure map.

VI) Revise the following chapters

Orienting yourself : The use of coordinate

Introduction to linear polynomials

The world of numbers

SUBJECT :- PUNJABI

General Instructions:

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1 *_ :*

(summary),

2 *_- :*
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3 *_- -*
- 20 |
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4 *_- : (Creative* *work*)
" * " * PPT
5 *_- :*
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SUBJECT :- HINDI

नोट- प्रश्न संख्या 2-5 को आप ए4 साइज शीट पर करेंगे। जिन्हें आप प्रोजेक्ट फाइल में लगाएंगे। प्रश्न संख्या 8,9 आप अपने नोटबुक में करेंगे। इन सभी कार्यों के लिए 10 अंक निर्धारित किए गए हैं जो आपके इंटरनल असेसमेंट में जोड़े जाएंगे।

1. दो बैलों की कथा, क्या लिखूँ तथा रैदास
इन तीनों पाठों को दोहराए व प्रश्नोत्तर याद करें।
2. प्रत्येक पाठ के अंत में भाषा संगम शीर्षक दिया गया है जिसमें किसी एक शब्द को विभिन्न भाषाओं में लिखा गया है। आप इन सभी शब्दों का संकलन करें।
3. मान लीजिए हीरा और मोती के लौटने के बाद आपको बाल सभा ने भाषण देने के लिए बुलाया है। भाषण का विषय है पशुओं के अधिकार। इस विषय पर 200 शब्दों में एक भाषण लिखिए।
4. अमीर खुसरो का संक्षिप्त परिचय लिखते हुए उनके द्वारा रचित कोई दस अनमेलियों, मुकरियों या पहेलियों का संकलन कीजिए।
5. साक्षात्कार- अपने घर के किसी बुजुर्ग या बड़े से बात कीजिये। उनसे पूछिए कि आप जब मेरी आयु के थे तब समय कैसे बिताया करते थे? क्या क्या बातें या काम करते थे? मनोरंजन के क्या साधन होते थे? उनके मित्र कौन कौन थे? वे कौन कौन से खेल खेला करते थे? आदि उनके कहे हुए अनुभव अपनी पुस्तिका में लिखें।

6. दक्षिण भारत के किसी एक राज्य के पर्यटन स्थलों की सूची बनाये और उनकी विशेषताओं को ध्यान में रखकर एक ब्रोशर तैयार कीजिए।
7. तुलसीदास जी द्वारा रचित राम लक्ष्मण परशुराम संवाद को यूट्यूब पर सुनिए।
8. अपनी कल्पना से कोई एक विज्ञापन बनाइए:- मिट्ठू नाम का तोता खो गया है जगन मास्टर ने उनकी खोजबीन के लिए एक विज्ञापन प्रकाशित करवाया है अथवा हीरा और मोती बैलों के खो जाने पर झूरी ने एक विज्ञापन प्रकाशित करवाया है।
9. निम्नलिखित विषयों पर अनुच्छेद अपनी कार्य पुस्तिका में लिखें
मेरी अविस्मरणीय यात्रा, मेले का दृश्य, साइबर सुरक्षा, यदि आपके पास टाइम मशीन होती।

ADDITIONAL SUBJECT

SUBJECT:- IT (Information Technology)

1. Create a poster on A4 size sheet and paste in IT Register (any one) :
 - a. Cyber bullying
 - b. Safe use of Social Media
 - c. Phishing and Online Scams
 - d. Protecting Privacy and Personal Data
 - e. Online Gaming safety
2. Make a collage in IT Register (Any one):-
 - a. Applications of a Computer System
 - b. IPO Cycle
 - c. Input and Output Devices
3. Do the following questions in IT Register, paste related pictures and make it presentable.
 - a. Discuss application of IT in everyday life.
 - b. List basic parts of the computer and write their uses.
 - c. Write about Open Office Writer. Explain its features.
 - d. Discuss term 'Artificial Intelligence'. Explain advantages and disadvantages.
 - e. Explain different types of keys available in keyboard. (Alphabet keys, Number keys, Punctuation keys, Modifier keys, Function keys, Navigation keys).

* Complete IT Practical File and Register Work. Revise all syllabus done till date

OR

SUBJECT:-Travel & Tourism

Prepare a handwritten **Project File** (10–15 pages) on any ONE of the following topics:

1. Eco-Tourism and Saving Nature
2. Adventure Tourism in India

3. Famous Heritage Sites of India
4. Role of Social Media in Tourism
5. Travel Vlogging and Tourism Industry
6. Cultural Tourism of Rajasthan
7. Beach Tourism in Goa
8. Wildlife Tourism and National Parks of India
9. Smart Tourism and Technology in Travel Industry
10. Importance of Communication Skills in Tourism Industry

The Project Must Include:

- * Introduction
- * Main Content
- * Pictures/Charts
- * Advantages & Disadvantages
- * One Case Study
- * Conclusion
- * Bibliography

Instructions:

- * Project should be neat and creative.
- * Use proper headings and pictures.
- * Cover page must include Name, Class, Section, Roll No. and Topic.
- * Submit the project after summer vacation.