

Guru Harkrishan Public School
Karol Bagh
Class – IX (2025-26)
Holiday Homework

As part of our effort to encourage a balanced and meaningful holiday, you are requested to do the following activities in Summer Holiday.

“Holiday Activities”

1. Balance your study time with fun and fitness. Go for a walk, play outside, or do simple exercises.
2. Take a metro ride and visit a museum. Keep your ticket stub, you can earn bonus points by showing it to your teacher!
3. Keep a bowl of clean water and some food outside for birds and stray animals.
4. Lend a hand with chores. Surprise your parents with a simple no-flame recipe!
5. Talk to your grandparents, share your holiday fun and listen to their amazing stories.
6. Plant a seed and take care of it every day. Watch it grow with love and care!
7. Build your awareness of current affairs. Note down new words and their meanings to improve your vocabulary.
8. Maintain a holiday journal—write about your experiences, thoughts or reflections at least once a week.

SUBJECT: ENGLISH

Activity 1 – Pen and Perspective

Look at a photograph (you can use your own or search online) it could be of a busy street, a beach, an abandoned house, or a market scene.

Describe the scene as if you are **inside the photo**, feeling the sounds, smells, textures, and atmosphere. (150–200 words).

1. To be done in school register
2. Give a suitable title to your description.
3. Paste the selected picture on the same page in your school register.

Activity 2 - Unity in Creativity

Make a creative travel broacher. Add the following points

1. How to Reach Sikkim:

2. Must-Visit Places
3. Festivals You Should Not Miss
4. Local Delicacies to Taste
5. What to Shop
6. Why Visit Sikkim

Activity 3 - The Assignment Zone

1. Read Ch-2 A Dog named Duke from your Literature Text-book. Write 1 diary entry based on any one important incident from the chapter. **(to be done in school register)**
2. Write Biographies of Any One Poet and Any One Writer of your choice given in your Text-Book. **(to be done in school register)**
3. Complete all the exercises of Unit 1 (Verb Forms), Unit 3(Future Time Reference) from the 'English Workbook'.
4. Prepare any one topic from the following for speaking skill. (Time limit 2 to 3 minutes)
 - i. Future of English in India
 - ii. Values of discipline in your life
 - iii. A world free from war
 - iv. India as a world power
 - v. Participation of Student's in Politics.

SUBJECT : PUNJABI

ਛੁੱਟੀਆਂ ਦਾ ਕੰਮ ਸਾਰਾ ਕੰਮ ਆਪਣੀ ਸਕੂਲ ਦੀ ਕਾਪੀ ਜਾਂ ਰਜਿਸਟਰ ਵਿੱਚ ਕਰਨਾ ਹੈ ।

- 1- ਪਾਠ ਪੁਸਤਕ ਵਿੱਚੋਂ ਦਿੱਤੀਆਂ ਗਈਆਂ ਕਹਾਣੀਆਂ ਦੇ ਪੰਜ ਚਿੱਤਰ ਤਿਆਰ ਕਰੋ
 - 2- ਆਪਣੀ ਵਿਆਕਰਣ ਦੀ ਪੁਸਤਕ ਵਿੱਚੋਂ ਕ, ਖ, ਤੇ ਗ ਅੱਖਰਾਂ ਨਾਲ ਸੰਬੰਧਿਤ ਮੁਹਾਵਰੇ ਲਿਖੋ।
 - 3- ਹੇਠ ਲਿਖੇ ਵਿਸ਼ਿਆਂ ਉੱਤੇ ਆਪਣੀ ਸੁਝ ਅਨੁਸਾਰ ਲੇਖ ਲਿਖੋ ।
- ੳ)ਮੇਬਾਈਲ ਦੇ ਲਾਭ ਤੇ ਹਾਨੀਆ
ਅ)ਪ੍ਰਦੂਸ਼ਣ
ੲ) ਸਾਡਾ ਇਮਤਿਹਾਨੀ ਢਾਂਚਾ
ਸ)ਬੱਚਿਆਂ ਦਾ ਵਿਦੇਸ਼ਾਂ ਵਿੱਚ ਜਾਣ ਦਾ ਰੁਝਾਹ
- 4) ਹੇਠ ਲਿਖੇ ਵਿਸ਼ਿਆਂ ਵਿੱਚੋਂ ਕੋਈ ਪੰਜ ਪੱਤਰ ਲਿਖੋ ।
- ੳ) ਆਪਣੇ ਪਿਤਾ ਜੀ ਨੂੰ ਸਾਈਕਲ ਲੈ ਕੇ ਦੇਣ
ਅ) ਛੁੱਟੀਆਂ ਵਿੱਚ ਸ਼ਿਮਲਾ ਘੁੰਮਣ ਜਾਣ ਲਈ ਪੱਤਰ ।
ੲ)ਐਮਸੀਡੀ ਵਿਭਾਗ ਨੂੰ ਗੰਦੇ ਪਾਣੀ ਦੀ ਸ਼ਿਕਾਇਤ ਲਈ ਪੱਤਰ।

- ਸ) ਐਮਸੀਡੀ ਵਿਭਾਗ ਨੂੰ ਬਾਰ ਬਾਰ ਬਿਜਲੀ ਜਾਣ ਲਈ ਪੱਤਰ।
 ਹ) ਐਮਸੀਡੀ ਵਿਭਾਗ ਨੂੰ ਇਲਾਕੇ ਵਿੱਚ ਖੜੇ ਰੰਦੇ ਪਾਣੀ ਲਈ ਪੱਤਰ।
 ਕ) ਐਮਸੀਡੀ ਵਿਭਾਗ ਨੂੰ ਟੁੱਟੇ ਹੋਏ ਪਾਰਕ ਦੀ ਮੁਰੰਮਤ ਲਈ ਪੱਤਰ।
 5) ਸਿੱਕਿਮ ਵਿੱਚ ਕਿਸ ਕਿਸ ਤਰੀਕੇ ਦੇ ਤਿਉਹਾਰ ਅਤੇ ਭੋਜਨ ਤਿਉਹਾਰ ਮਨਾਏ ਜਾਂਦੇ ਹਨ ਅਤੇ ਭੋਜਨ ਪਕਾਏ ਜਾਂਦੇ ਹਨ ਇਸਦੇ ਬਾਰੇ ਚਿੱਤਰ ਲਗਾ ਕੇ ਲਿਖੀ ਜਾਣਕਾਰੀ ਦਿਓ।

SUBJECT : HINDI

- ਪਛਾਣ ਗਏ ਪਾਠਾਂ ਦਾ ਮਸ਼ਹੂਰ ਮਾਨਚਿੱਤਰ ਤਿਆਰ ਕਰੋ ।
- ਕਿਨ੍ਹੀਂ ਪਾਂਚ ਵਿਸ਼ਯਾਂ ਪਰ ਸੰਵਾਦ ਲੇਖਨ ਕੀਜ਼ਿਏ ।
- ਸਿਕਿਮ ਦੇ ਨ੍ਰਤ੍ਯ -ਸੰਗੀਤ ਵ ਭਾਸ਼ਾ (ਕੁਸ਼੍ਰੀਯ) ਪਰ ਜਾਨਕਾਰੀ ਏਕਤਰ ਕਰ ਪਰਿਯੋਜਨਾ ਕਾਰ੍ਯ ਕਰੋ । ਪਰੰਪਰਾਗਤ ਨ੍ਰਤ੍ਯ ਦੇ ਮੁਕੁਟ ਭੀ ਬਨਾਏ ।
- ਹਿੰਦੀ ਭਾਸ਼ਾ ਔਰ ਨੇਪਾਲੀ ਭਾਸ਼ਾ ਦੇ ਸ਼ਬਦਾਂ ਦਾ ਮੇਲ ਦਸ਼ਾਤਿ ਹੁਏ ਸੁੰਦਰ ਚਾਰਟ ਬਨਾਏ । (A3 ਸ਼ੀਟ ਪਰ)
- ਪਾਂਚ ਅਲਗ-ਅਲਗ ਵਿਸ਼ਯਾਂ ਪਰ ਸੰਵਾਦ ਲੇਖਨ ਕੀਜ਼ਿਏ ।
- ਅਲਗ-ਅਲਗ ਵਿਸ਼ਯਾਂ ਪਰ ਪਾਂਚ ਅਨੌਪਚਾਰਿਕ ਪਤਰ ਲਿਖਿਏ ।
- * ਅਵਕਾਸ਼ ਕਾਰ੍ਯ ਅਲਗ ਉਤਰ ਪੁਸਤਿਕਾ ਲਗਾਕਰ ਕੀਜ਼ਿਏ ।
- * ਪਰਿਯੋਜਨਾ ਕਾਰ੍ਯ ਏ 4 ਸੀਟ ਪਰ ਕੀਜ਼ਿਏ ।

SUBJECT : MATHEMATICS

Activity 1: Creative Expression through Media

Heading: Read, Watch, Review

- Watch *The Man Who Knew Infinity* or *Hidden Figures*. Write a short review on the role of mathematics in the story.
- Read about a famous mathematician like Ramanujan and write a 1-page summary.
- Choose a math topic and find its real-life application. Write a paragraph about it.

Activity 2: Exploring Our Pairing State – Sikkim

Heading: Craft from Culture

- Prepare a statistical chart or bar graph using data from Sikkim (e.g., population, literacy, climate).

- Study traditional art or architecture of Sikkim and identify geometric patterns.
- Create 3 real-world math problems using facts about Sikkim's geography.

Activity 3: Academic Enrichment

Heading: Brain Boosters

- Complete worksheets on number systems, algebra, coordinate geometry, and statistics.
- Create a concept map linking algebraic identities with geometry.
- Solve two real-life math problems involving Geometry.

SUBJECT:SCIENCE

Activity-1

CREATIVE EXPRESSION THROUGH MEDIA

You can choose any one of the following media formats:

1. Poster Design.

Create a colorful poster on chart paper with drawings, catchy slogans, and scientific facts about plastic pollution.

Example slogan: “Plastic lasts forever – so does its damage!”

2. Short Video (1–2 mins)

Make a short video using your phone. You can include:

- An explanation of how plastic affects the environment.

Activity-2

EXPLORING OUR PAIRING STATE-SIKKIM

Delhi vs Sikkim (Ecology & Environment)

Compare two distinct geographical regions of India—Delhi (a metropolitan city) and Sikkim (a Himalayan state)—in terms of biodiversity, climate, pollution levels, conservation efforts, and ecological challenges.

Suggested Format:

1. Introduction

- Brief overview of Delhi and Sikkim

- Importance of studying ecological differences SIKKIM

Activity-3

ACADEMIC ENRICHMENT

Chapter 1: Matter in Our Surroundings

1. Define matter
2. List the characteristics of particles of matter.
3. Name the three states of matter and give two properties of each.
4. What is meant by change of state of matter?
5. Define the following:
 - a) Melting Point
 - b) Boiling Point
 - c) Sublimation
 - d) Condensation
6. What is latent heat? Name its types.
7. Explain the factors affecting the rate of evaporation.
8. Differentiate between boiling and evaporation.
9. What is the effect of pressure on the state of matter?
10. Write two differences between solid and gas.
11. Convert the following temperatures to the Celsius scale. (a) 286 K (b) 479 K
12. Convert the following temperatures to the kelvin scale. (a) 55°C (b) 393°C

Chapter 2: Motion

1. Define motion.
2. What is the difference between distance and displacement?
3. Define:
 - a) Speed
 - b) Velocity
 - c) Acceleration
4. Write the formulas for speed, velocity, and acceleration.
5. What is uniform and non-uniform motion? Give examples.
6. A train travels 120 km in 3 hours. What is its average speed?

7. What is the difference between scalar and vector quantities?
8. Draw and label a distance-time graph for uniform motion.
9. What is the slope of a velocity-time graph? What does it represent?

Chapter 3: The Fundamental Unit of Life (Cell)

1. Who discovered the cell and when?
2. State the main points of the cell theory.
3. Name any three cell organelles and state their functions.
4. Draw a labelled diagram of:
 - a) A plant cell
 - b) An animal cell
5. Differentiate between plant and animal cells (any 3 points).
6. What is the function of the plasma membrane?
7. What is the function of the nucleus in a cell?
8. What are the differences between prokaryotic and eukaryotic cells?
9. What is cytoplasm? Write its function.
10. What is the role of mitochondria in the cell?

Activity-4

STUDENTS MAKE A CREATIVE AND COLORFUL CHART ON THE TOPIC ASSIGNED TO YOU BASED ON YOUR ROLL NO.

ROLL NO (1-10) YOGA FOR HEALTH

ROLL NO (11-20) HEALTHY FOOD VS JUNK FOOD

ROLL NO (21-30) GOOD HYGIENE BASICS

ROLL NO (31-39) BALANCED DIET

Activity-5

Collect kitchen waste, plant waste, ash, newspaper, food scraps, etc. Mix them with soil and add some water. Stir and mix the contents regularly. Allow the materials to decompose.

Bring this manure to school.

Activity-6

Make a model of Plant Cell/Animal cell using Clay, beads, thread etc and label all parts.

SUBJECT : SOCIAL SCIENCE

ACTIVITY-1

1. Every student has to compulsorily undertake one project on Disaster Management.

2. Objectives: The main objectives of giving project work on Disaster Management to the students are to:

a. create awareness in them about different disasters, their consequences and management

b. prepare them in advance to face such situations

c. ensure their participation in disaster mitigation plans

d. enable them to create awareness and preparedness among the community.

3. The project work should also help in enhancing the Life Skills of the students.

4. If possible, different forms of art may be integrated in the project work.

5. In order to realize the expected objectives completely, it would be required of the Principals / teachers to muster support from various local authorities and organizations like the Disaster Management Authorities, Relief, Rehabilitation and the Disaster Management Departments of the States, Office of the District Magistrate/ Deputy Commissioners, Fire Service, Police, Civil Defense etc. in the area where the schools are located.

6. The distribution of marks over different aspects relating to Project Work is as follows:

S. No.	Aspects	Marks
a	Content accuracy, originality and analysis	2
b	Presentation and creativity	2
c	Viva Voce	1

7. The project carried out by the students should subsequently be shared among themselves through interactive sessions such as exhibitions, panel discussions, etc.

8. All documents pertaining to assessment under this activity should be meticulously maintained by the schools.

ACTIVITY 2.

Art Integrated Learning –Project Delhi with Sikkim

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

ACTIVITY 3.

Prepare Atlas for history and geography.

ACTIVITY 4.

MOTHER EARTH needs to be saved from the inevitable destruction. The ways by which this can be achieved is by using alternative sources of energy that have a sustainable future. Prepare poster on the 'SAVE THE EARTH-PLAN FOR THE FUTURE' and write slogans with strong message on the poster.

SUBJECT: DIVINITY

- 1) Learn question answers of Chapter 1&2.
- 2) Recite Japuji Sahib Path daily.
- 3) Make a family tree of 10 Gurus.
https://www.sikhiwiki.org/index.php/Guru_family_tree
- 4) Write 10 facts about guru Gobind Singh ji using this link
<https://www.youtube.com/watch?v=8ZZUlbSAuKk>
- 5) Learn Ardas.
- 6) Write Shahabad Ram Das Sarovar with meaning in your Divinity notebook.
- 7) Visit any Historical Gurudwara Sahib in Delhi and do Sewa. Click pic of yours. Write about your experience and paste your picture in your Divinity notebook.

SUBJECT: I.T

1. Effective Communication in IT: Create a presentation about the "Importance of Communication Skills in IT". (10-15 slides)

SUBJECT: COMPUTER

2. Roll No. (1-20) - Cyber safety tips poster: On an A3-sized sheet, design a poster highlighting essential cyber safety tips.

Roll No. (21-39) - Cyber safety awareness campaign: Design a social media campaign promoting cyber safety in Canva, postermymwall or any other app

3. Create a pamphlet on MS Word or any app like Canva about the “Contributions of Indian Scientists”.

4. Make a PPT on ‘The Importance of Infrastructure Development in Sikkim’s Growth’.

SUBJECT : PHYSICAL ACTIVITY TRAINER

Practical file topics

- Modern Olympics (2 pages)
- Surya Namaskar (Pics with names)
- Pet game diagram of the ground (With dimensions)
- Khelo India tests (Eight)
- Calculate BMI.
- Details of participation in sports.
- 2 mins of PPT while performing Yoga.
- Draw 1 KI Test on A3 size posture.
- Write a report of 100 words on sports and recreational activities in Sikkim. Paste and compare tourism in Delhi with Sikkim.

NOTE: Holiday Assignment to be done in ‘Practical File’

NOTE: Submission by first week of July 2025.

NOTE: 10 Marks for this project in Final Practical’s.

FINE ART

Dedicate at least 2-3 hours each week to these activities.

Week 1: Exploring Textures

- **Activity:** Create a textured collage using a variety of materials like fabric scraps, dried leaves, sand, buttons, yarn, and corrugated cardboard.
- **Focus:** Experiment with different textures and how they interact visually. Consider creating a landscape, an abstract design, or a representation of an object.
- **Documentation:** In your sketchbook, note down the different textures you used and how they make you feel. Sketch a preliminary design for your collage.
- **on a3 size paper sheet**

* **Activity 2nd**

*complete first 7 pages in your art book

* **Activity 3rd**

Activity 2: Paper Collage Landscape: Cut and tear different coloured papers to create a simple landscape scene (mountains, trees, sky, etc.) on a piece of cardstock or thick paper.

Activity 4th

Create a full size char paper on yoga. Draw minimum 3 figures and paint them.

Activity 5th :

- **Activity:** Work with air-dry clay to create a small sculpture or decorative object.
- **Task:** Shape the air-dry clay into a form of your choice (e.g., a small animal, a bowl, a decorative tile). Once it's dry, you can paint it with acrylic paints or decorate it with markers.
- **Presentation:** Display your finished clay creation.

Activity 6th:

- Make a Traditional painting of Handicrafts of Sikkim.

SUBJECT: MUSIC

Activity 1 – Listen and Review	Listen to any Classical song and write its notation in Alankars on an A4 sheet.
Activity 2 – Folk Narration	Write any 2 Folk songs of Sikkim with description of their instruments used along.
Activity 3	Learn and write Anand Sahib Paath in your notebook with its notation.