



BRILLIANTS' CONVENT

CLASS-X
2026-27

SUMMER HOLIDAY HOMEWORK



Class-X

English

1. Echoes from the Himalayas: Exploring Tourism in Sikkim

Podcast on the topic “Tourism in Sikkim.” (Speaking Activity)

Objective: To develop students’ speaking and communication skills by organising and presenting ideas clearly, while building awareness about tourism and sustainable practices in Sikkim.

Task: Prepare creative content on the A4-size sheets and record a 2–3 minute podcast in your school uniform, highlighting the following points:

- Introduction to Sikkim as a tourist destination
- Famous places to visit (e.g., Gangtok, monasteries, natural landscapes)
- Importance of tourism for the state
- Promotion of eco-friendly and sustainable tourism
- Your personal opinion or conclusion

Ensure that your podcast:

- Has a clear introduction, body, and conclusion
- Uses appropriate vocabulary and correct pronunciation
- Is engaging and informative

2. After reading the chapter “*A Letter to God*”, imagine you are Lencho. Write a formal letter to the postmaster expressing your gratitude for the help you received. Also, mention your feelings when you discovered that the amount was less than expected and share your thoughts about the situation.

Note : Make an attractive cover page for the English holiday homework file with the title ‘Ink & Imagination: My English Summer Holiday Journal’ and attach all your work in it.

3. Recapitulation : Complete Units 1 to 4 of WORDS AND EXPRESSIONS – II
(WORKBOOK FOR CLASS X)

Hindi

प्रस्तुतीकरण हेतु निर्देश:

1) सिक्किम की प्रसिद्ध 'थांगका पेंटिंग' (Thangka Painting) और दिल्ली की 'मुगलकालीन वास्तुकला' (जैसे हुमायूँ का मकबरा) पर एक अनुच्छेद लिखें।

2) विज्ञापन लेखन

सिक्किम पर्यटन को बढ़ावा देने के लिए एक आकर्षक विज्ञापन तैयार कीजिए।

विषय: "बादलों की गोद में - सिक्किम"। इसमें वहाँ के प्राकृतिक दृश्यों, कंचनजंगा और जैविक खेती (Organic Farming) का उल्लेख करें। साथ ही, दिल्ली के 'दिल्ली हाट' के लिए भी एक *सूचनात्मक विज्ञापन* बनाएँ जहाँ सिक्किम के हस्तशिल्प की प्रदर्शनी लगी हो।

3) सिक्किम की किसी एक प्रचलित लोककथा (Folktale) को पढ़िए और उसे अपने शब्दों में (120-150 शब्दों में) एक लघुकथा के रूप में लिखिए।

कथा के अंत में उससे मिलने वाली शिक्षा का भी उल्लेख कीजिए।

- कार्य साफ-सुथरा और हस्तलिखित (Handwritten) होना चाहिए।
- रंगों, चित्रों और बॉर्डर का प्रयोग करके कार्य को आकर्षक बनाएँ।
- परियोजना के अंत में 'स्व-अनुभव' लिखें कि इस कार्य को करते हुए आपने सिक्किम के बारे में क्या नई बातें सीखीं।

3. करवाए गए सभी पाठों का अभ्यास कीजिए।

Mathematics

1. The Probability of Clouds: Track the weather of Gangtok (Sikkim) for 10 consecutive days for the month of June, 2026. Based on your data, calculate the probability that:

- It will be a rainy day.
- It will be a clear sunny day.
- The temperature will be above 20°C.

2. Polynomial Patterns: Observe the traditional "Bhumchhu" or "Thanka" paintings of Sikkim. Identify geometric patterns that resemble parabolic curves $y = ax^2 + bx + c$. Sketch one such pattern and mark the "zeros" where the curve would intersect a hypothetical x-axis.

3. Statistical Analysis: Find the heights (in meters) of the five highest mountain peaks in Sikkim (including Kanchenjunga). Calculate the Mean and Median height of these peaks.

Science

Chemistry

1. Equation Illustration Activity: Draw and explain any 4 types of chemical reactions using Sikkim-based examples:

- Combination reaction (fertilizer formation)
- Decomposition reaction (heating limestone)

- Displacement reaction
- Neutralization reaction

Prepare a file which includes:

- A diagram
- A word equation
- A balanced equation
- Real-life connection with Sikkim

Physics

Create a Visual Optics Guide titled "The Science of a Himalayan Sunset." Draw a diagram showing why the sky over Kanchenjunga appears orange-red (Scattering of Light) and how the snow acts as a reflecting surface. Explain the Refraction of Light as it passes through the thin mountain air, using colored pencils to show the spectrum.

Biology

1. Poster Making Activity : Make a colourful poster on any one theme using slogans, drawings, and creative borders.

- Tobacco kills slowly
- Healthy lungs, healthy life
- Save youth from smoking
- Say no to passive smoking

2. Slogan Writing: Write any 10 slogans on No Tobacco Day.

For example

- "Tobacco steals breath, health, and happiness."
- "Be smart, don't start."
- "Choose oxygen, not smoke."

Social Science

1. Design a Visual Infographic titled as "Sikkim's Political Evolution." Create a "Past vs Present" chart by drawing the Chogyal's Royal Seal (representing the Monarchy) and the State Emblem of Sikkim (representing Indian Democracy). Between these drawings, write short notes on the 36th Amendment (1975) and Article 371F, explaining how Sikkim became a state while keeping its special local laws. Use traditional Sikkimese colours and borders to make your history data look like an art piece.
2. Prepare a Map Book using the political maps of India. You are required to mark and label the following maps as per the list provided in the table below. Each map must be plotted on a separate political map and properly labelled. Include an index on every map for clarity.

History

| Chapters | Map Items |
|--|--|
| Chapter - 2 Nationalism in India (1918-1930) | Locating and Labelling / Identification 1. <u>Indian National Congress Sessions</u> : a. Calcutta (Sep. 1920) b. Nagpur (Dec. 1920) c. Madras (1927) 2. <u>Important Centres of Indian National Movement</u> a. Champaran (Bihar) - Movement of Indigo Planters b. Kheda (Gujarat) - Peasant Satyagrah c. Ahmedabad (Gujarat) - Cotton Mill Workers Satyagraha d. Amritsar (Punjab) - Jallianwala Bagh Incident e. Dandi (Gujarat) - Civil Disobedience Movement |

Geography

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| Chapter 1: Resources and Development | (Identification only) a. Major soil Types |
| Chapter 3: Water Resources | (Locating and Labelling) <u>Dams</u> : a. Salal b. Bhakra Nangal c. Tehri d. Rana Pratap Sagar e. Sardar Sarovar f. Hirakud g. Nagarjuna Sagar h. Tungabhadra |
| Chapter 4: Agriculture | (Identification only) a. Major areas of Rice and Wheat b. Largest/Major producer states of Sugarcane, Tea, Coffee, Rubber, Cotton, and Jute |
| Chapter 5: Minerals and Energy Resources | <u>Minerals (Identification only)</u> 1. <u>Iron Ore mines</u> a. Mayurbhanj b. Durg c. Bailadila |

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|--|---|
| | <p>d. Bellary e. Kudremukh 2. <u>Coal Mines</u> a. Raniganj b. Bokaro c. Talcher d. Neyveli 3. <u>Oil Fields:</u> a. Digboi b. Naharkatia c. Mumbai High d. Bassien e. Kalol f. Ankleshwar <u>Power Plants (Locating and Labelling only)</u> 1. <u>Thermal</u> a. Namrup b. Singrauli c. Ramagundam 2. <u>Nuclear</u> a. Narora b. Kakrapara c. Tarapur d. Kalpakkam</p> |
| <p>Chapter 6: Manufacturing Industries</p> | <p>(Locating and Labelling Only) 1. <u>Cotton Textile Industries:</u> a. Mumbai b. Indore c. Surat d. Kanpur e. Coimbatore 2. <u>Iron and Steel Plants:</u> a. Durgapur b. Bokaro c. Jamshedpur d. Bhilai e. Vijayanagar f. Salem 3. <u>Software Technology Parks:</u> a. Noida</p> |

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|--|---|
| | <ul style="list-style-type: none"> b. Gandhinagar c. Mumbai d. Pune e. Hyderabad f. Bengaluru g. Chennai h. Thiruvananthapuram |
| Chapter 7: Lifelines of National Economy | <ul style="list-style-type: none"> 1. <u>Major Sea Ports (Locating and Labelling)</u> <ul style="list-style-type: none"> a. Kandla b. Mumbai c. Marmagao d. New Mangalore e. Kochi f. Tuticorin g. Chennai h. Vishakhapatnam i. Paradip j. Haldia 2. <u>International Airports</u> <ul style="list-style-type: none"> a. Amritsar (Raja Sansi - Sri Guru Ram Dass Jee) b. Delhi (Indira Gandhi) c. Mumbai (Chhatrapati Shivaji) d. Chennai (Meenam Bakkam) e. Kolkata (Netaji Subhash Chandra Bose) f. Hyderabad (Rajiv Gandhi) |

3. Prepare a project on Consumer rights.
4. Read and revise the syllabus done so far.

Artificial Intelligence

1. Create an innovative Infographic / Comic Strip - representing the theme “Applications of Quantum Computing in Smart City Planning / How to be Cyber Smart”. (use any AI tool and email it at bcssenior2627@gmail.com mentioning your name, class and section in subject line.)
2. Find and write minimum of “Five popular tools of Generative AI”. Use colourful sheets (A-4) and relevant pictures, newspaper cuttings, articles etc.