

Maheshwari Public School, Kalwar
Summer Holiday Home Work- 2025-26
Class-X



English

General Instructions:

1. Revise all chapters, poems, and grammar topics covered so far.
2. Complete all the given tasks neatly on A4-sized sheets and compile them in a file.
3. Ensure your work reflects creativity, effort and originality.
4. The Art Integrated Project is to be submitted separately in a creative file.

1. Letter to the Editor

Write letters to the Editor of a national/local newspaper on the following topics. Express your concern and suggest suitable solutions wherever applicable:

1. Increasing pollution levels in your city.
2. Rising stress among students due to academic pressure.
3. Poor condition and irregularity of public transport in your area.
4. Growing menace of stray dogs in your locality.
5. Need for water conservation and practical steps for saving water at home and in schools.

2. Poetry Focus – Literary Devices

Identify and explain the literary devices used in Poems 1 to 3 of the First Flight textbook.
Write its definition with examples

3. Art Integration Project

(a) Literary Legends – Rajasthan & Nagaland

Research and compose a paragraph each on five distinguished authors or poets from Rajasthan and Nagaland who have made notable contributions to English literature.

Highlight their notable works, recurring themes, or achievements.

Paste or draw their pictures. Keep your work neat, visually appealing, and creative.

(b) Folklores of Rajasthan and Nagaland

Explore and retell one famous folklore from each state.

Write both stories in your own words (150 words each).

Illustrate each folklore with drawings or relevant pictures.

(c) Letter Writing – A Cultural Invitation

Write an informal letter to your pen friend from Nagaland, sharing insights about the rich cultural heritage of Rajasthan.

Mention aspects like traditional music and dance, festivals, architecture, attire, cuisine, and art.

Invite your friend to visit Rajasthan and experience its vibrant traditions.

Hindi

1. सूरदास पाठ के आधार पर नागालैंड के प्रमुख धार्मिक संत व कवियों से संबंधित चित्र एकत्र करके फाइल में लगाएँ।
2. परियोजना कार्य को विषयपरक, कलात्मक व प्रभावशाली बनाएँ।
- 3 दिए गए अभ्यास पत्रको(Work sheet)को हिंदी विषय की उत्तर पुस्तिका में करें।
- 4 पठित पाठों का अभ्यास करें एवं याद करें।

Sanskrit

- 1 नागालैंड एवं राजस्थान के नृत्य, संस्कृति एवं त्यौहार के चित्र के माध्यम एक प्रोजेक्ट तैयार करें।
- 2 पाठ्यक्रम के अनुसार संधिकार्य का। दोहरान कीजिए
- 3 पाठ्यक्रम के अवयवों का एक चार्ट बनाए
- 4 पाठ्यक्रम से संबंधित शब्दरूप एवं धातुरूप का दोहरान कीजिए

French

1. Écrivez 20 verbes irrégulier et conjugaison aussi dans votre cahier.
2. Ecrivez une lettre à votre ami(e) en décrivant ce que vous avez fait pendant votre vacance d'été. (80- 100 mots)

****Note :**

- Write in French note book.

Mathematics

1. Complete worksheet of ch 1 Real Numbers and ch 2 Polynomials in math notebook that will be shared in your class groups)

2. Do the following activities in Math Lab Manual.

1. a. To draw the graph of a quadratic polynomial.
b. To recognize the shape of the curve based on the sign of coefficient of x square.
c. To determine the number of zeroes
2. To determine the conditions for consistency of a system of linear equations in two variables by graphical method
3. To obtain the formula for the area of a circle using paper folding and cutting.

Science

1) Art integrated project-

A comparison of Rajasthan to Nagaland

Make an innovative ppt/ creative project file.

Topics:-

- a) Scientific achievements/ institute of science and technology
- b) Achievements in infrastructure and Tourism
- c) Biodiversity of both states.

(Include photos, Reports, Sketches and reflections)

2) Group activity:- working or no working models for science exhibition .(It is compulsory) .Your ideas should be up to the mark with a scientific concept (avoid windmills and volcano)

- 3) Solve the Reflection sheets in the respective copies.(will share)
- 4) update yourself with current scientific knowledge .
- 5) Learn & practice the topics taught in class for (UT-1)

Happy Holidays
Science department

Social Science

1. Make an interdisciplinary project -Topic –“Globalization” (History ch-3+Geography ch-7+Economics ch-4)
2. Make a project File (minimum 5pages) Topic – “Consumer Rights”.
3. Art Integrated Project-Make a file (not more than 5pages)-Art integration Topic -Cultural and religious Diversity in Rajasthan vs Nagaland.
4. Complete UT1 chapters in Notebook and Learn UT1 Syllabus.(compulsory for all)

ARTIFICIAL INTELLIGENCE

Q1. Perform the activity on the given link and get the certificate. TO be pasted in you Lab Manual.

1. AI Aware :- <https://ai-for-all.in/#/home>
2. AI Appreciate :- <https://ai-for-all.in/#/home>
3. AI for Ocean :- <https://studio.code.org/s/oceans/lessons/1/levels/2>

Q2. Design a model by performing the activity on the given link.

Categories of Machine learning based models:

Supervised Learning <https://teachablemachine.withgoogle.com/>

Unsupervised Learning <https://experiments.withgoogle.com/ai/drummachine/view/>

Neural Network Activity <https://playground.tensorflow.org/>

Write a report and paste the screenshot of any one activity performed

INFORMATION TECHNOLOGY

Do the following activities and paste them in your Lab Manual: -

1. Design a template for your resume.
2. Write a Report on Need of IT and Format it with the help of different styles.
3. Design a Brochure for Armed Forces Day (Third Saturday of the May).
4. Design a Banner on International Museum Day.

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