

Holiday Homework

Class IX

ENGLISH

Read the chapter “**The Fun They Had**” from your textbook and write in your **own words** on the following subtopics:

1. Life of students in the future
2. Role of technology in education
3. Comparison between old schools and future schools

(Write each answer in a separate paragraph.)

MATHEMATICS

1) Data Handling Activity

Select **ANY ONE** of the following topics from a **newspaper or reliable news source** and collect data for **ONE WEEK (7 days)**:

- Daily Temperature (Minimum & Maximum – date-wise)
- Rainfall Data (city-wise)
- Fuel Prices (Petrol/Diesel – date-wise)
- COVID / Health statistics (weekly data, if available)

Steps to be followed:

(i) Data Collection

- Collect data for 7 consecutive days

- Mention the name of the newspaper/source and dates clearly

(ii) Organisation of Data

Answer the following:

- What does the data represent?
- Is the data **discrete or continuous**? Give reasons.

(iii) Graphical Representation

- Draw a **Bar Graph / Histogram** (as suitable)

(iv) Conclusion

- Write a conclusion in **2–3 lines**

2) Maths Quiz Activity

- Frame **10 rapid-fire maths questions** with answers
- Questions should be from **any ONE chapter** in your textbook
- Write neatly on **A4 sheets only**

SCIENCE

Biology

1. Write a short article on “**My Role in Protecting the Environment**”
(Word limit: **200 words**)

Chemistry

1. Draw the **electronic configuration** of elements with atomic numbers **1 to 20** in your register

2. Compare the **Atomic Models** of:

- Dalton
- Thomson
- Rutherford
- Bohr

(Write in **tabular form**)

Physics

1. Prepare a short note on **Law of Conservation of Energy** with diagram
2. Answer the following:
 - i. Define kinetic energy
 - ii. Write the formula for kinetic energy
 - iii. An object of mass m moves with a velocity of 4 m/s.
 - Find its kinetic energy
 - What happens to its kinetic energy if velocity is doubled?
3. Do **Activity-based question** from the current NCERT chapter

HISTORY

Local Heritage Project

We should understand and preserve our **local culture and heritage**.

Prepare a **project file** on **any ONE historical place** near your city/town:

- Historical importance
- Architecture and features
- Present condition and preservation efforts
- Importance of conserving heritage

(Add pictures or drawings)

GEOGRAPHY

1. Prepare a **PPT on Disaster Management**
(Include types of disasters, causes, precautions & safety measures)
2. Draw a **Natural Vegetation Map of India**
(Use colours and proper labelling)

COMPUTER SCIENCE

Attitude of Gratitude – Video Task

- Create a **short video (1–2 minutes)** using a basic video editor
- Express gratitude towards:
 - Teachers / Parents / Community helpers
- Focus on **values, respect, and appreciation**

ART & CRAFT

Create a **colourful poster** with a powerful slogan on **ANY ONE** topic:

- Zero Garbage
- Water Conservation
- Electricity Saving
- No Littering

- Save Trees
- Reduce Plastic Use
- Recycling
- Climate Change Awareness
- Wildlife Conservation