

Tibetan Homes School, Mussoorie

Class X- Winter Assignment (New Batch) Year 2026

1. SOCIAL

The project needs to be completed in the winter break, to be submitted in school in month of March 2026.

Class X - Project	
10 periods	5 marks
Every student must undertake one project on ... Consumer Awareness OR Social Issues OR Sustainable Development Objectives: <ul style="list-style-type: none">• The objective of the project work is to help students gain an insight and pragmatic understanding of the theme and see all the Social Science disciplines from an interdisciplinary perspective.• It should also help in enhancing the Life Skills of the students.• Students are expected to apply the Social Science concepts that they have learnt over the years to prepare the project report• If required, students may go out for collecting data and use different primary and secondary resources to prepare the project.• If possible, various forms of art may be integrated in the project work.	The students will develop the following competencies: <ul style="list-style-type: none">• Collaboration• Use analytical skills.• Evaluate the situations during disasters.• Synthesize the information.• Find creative solutions.• Strategies the order of solutions• Use right communication skills

Guidelines:

The distribution of marks over different rubrics relating to Project Work is as follows:

S.no	Rubrics	Marks
a	Content accuracy and originality	2
b	Competencies exhibited and Presentation	2
c	Viva-Voce	1

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

1. All documents pertaining to assessment under this activity should be meticulously maintained by the schools.
2. A Summary Report should be prepared highlighting:
 - objectives realized through individual work and group interactions.
 - calendar of activities.
 - innovative ideas generated in the process
 - list of questions asked in viva voce.
3. It is to be noted here by all the teachers and students that the projects and models prepared should be made from eco-friendly products without incurring too much expenditure.
4. The Project Report can be handwritten or digital.
5. The Project Work needs to enhance cognitive, affective and psychomotor skills of the learners. It will include self-assessment and peer assessment, and progress of the child in project-based and inquiry-based learning, art integrated activities, experiments, models, quizzes, role plays, group work, portfolios, etc., along with teacher assessment. (NEP- 2020)

4. ENGLISH

- A. Watch any two movies from the following and write review on any one of them
1. Diary of a Young Girl or Diary of Anne Frank
 2. Schindler's List
 3. Wonder

Write a review focusing on

- Brief summary of the movie
 - Theme
 - Message to society
 - One character/idea you strongly relate to
 - What did this movie change in your thinking?
 - Prepare a 3 minute presentation on the film you reviewed OR a social issue you care about. "This activity will be assessed as part of your speaking skill."
- B. Read the stories from the book named "FOOTPRINTS WITHOUT FEET" class X Supplementary Reader. Write reviews on any FIVE of them.

You are requested to follow this review format given below.

- Name of the story
- Main characters
- Brief summary of the story
- Your favourite character/ characters and why
- Your favourite part and why.
- Star Rating 1-5

5. SCIENCE

Chapters Covered

Chapter 1 – Chemical Reactions and Equations
Chapter 5 – Life Processes
Chapter 9 – Light: Reflection and Refraction

General Instructions

- 1: Write all answers neatly in a science assignment notebook
- 2: Diagrams must be pencil-drawn and labelled
- 3: Revise definitions, equations, and diagrams regularly
- 4: Submission after winter vacation

Week: 1 to 3 Assignment

Chapter 1: Chemical Reactions and Equations

A. Very Short Answer (Do in notebook)

- Q1: What is a chemical reaction?
Q2: Define corrosion.
Q3: What is oxidation?

B. Balance the following equations

- Q1: $\text{Fe} + \text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + \text{H}_2$
Q2: $\text{Zn} + \text{HCl} \rightarrow \text{ZnCl}_2 + \text{H}_2$
Q3: $\text{BaCl}_2 + \text{Na}_2\text{SO}_4 \rightarrow \text{BaSO}_4 + \text{NaCl}$

C. Short Answer Questions

Q1: What is a balanced chemical equation? Why is it important?

Q2: Explain displacement reaction with one example.

Q3: What is rancidity? How can it be prevented?

D. Activity

Write any 3 chemical reactions from daily life and mention their type.

Week: 4 to 6 Assignment

Chapter 5: Life Processes

A. Very Short Answer

Q1: Name the organs involved in human respiration.

Q2: What is photosynthesis?

Q3: Name the circulatory fluid in humans.

Q4: What is transpiration?

B. Short Answer Questions

Q1: Explain the process of nutrition in plants.

Q2: Describe aerobic and anaerobic respiration.

Q3: What are the functions of the heart?

C. Diagram Work (Neat & Labelled)

Q1: Human heart

Q2: Human respiratory system

Q3: Structure of nephron

D. Long Answer Question

Explain the process of photosynthesis with a neat diagram.

Week: 7 to 9 Assignment

Chapter 9: Light – Reflection and Refraction

A. Very Short Answer

Q1: What is reflection of light?

Q2: Define principal focus of a concave mirror.

Q3: What is refraction of light?

B. Short Answer Questions

Q1: Write the laws of reflection.

Q2: What is the difference between real and virtual images?

Q3: Why does a pencil appear bent when dipped in water?

C. Numerical Problems

Q1: A concave mirror has focal length 15 cm. Find its radius of curvature.

Q3: If the speed of light in glass is less than air, what happens to light when it enters glass?

D. Ray Diagrams (Practice & Draw)

Q1: Image formation by concave mirror (object beyond C)

Q2: Refraction through rectangular glass slab

In case of any doubt, you may contact this no. (9627178400)
