

CLASS X HOLIDAYS HOMEWORK 2026-27

ENTREPRENEURSHIP & YOUNG INNOVATORS

Creative Thinking Project Booklet

(6-8 pages)

This project is designed to encourage students to become creative thinkers, problem solvers, and future innovators. Students will explore the world of entrepreneurship by designing start-up ideas, creating advertisements, developing product branding, and understanding real-world business practices.

“Innovation distinguishes between a leader and a follower.” – Steve Jobs

Project Objectives

- Develop entrepreneurial thinking and creativity.
- Enhance communication and presentation skills.
- Understand branding, marketing, and business planning.
- Encourage innovation through problem-solving.
- Learn practical business concepts from real-life entrepreneurs.

Project Activities Overview

Activity	Description
Start-up Idea Design	Create an original start-up idea that solves a real-life problem.
Advertisement Writing	Write a catchy advertisement for your product or service.
Product Logo Creation	Design a creative logo for your start-up brand.
Business Pitch Presentation	Prepare a short presentation to explain your business idea.
Interview Activity	Interview a local shopkeeper or businessperson.
AI Product Branding	Use AI tools to generate product branding ideas and slogans.

1. Design Your Own Start-up Idea

Think of a unique product or service that can help people in daily life. Your startup should include:

- Start-up Name
- Problem your product solves
- Target customers
- Unique features
- Expected benefits

Example: Eco Bottle – Reusable smart water bottle that reminds users to stay hydrated.

2. Advertisement Writing

Create an attractive advertisement for your startup. Include a slogan, catchy lines, and product benefits.

Slogan: “Think Smart. Live Better.”

Sample Line: “Introducing Eco Bottle – the smarter way to stay healthy and protect the planet.”

3. Product Logo Creation

Design a colourful and meaningful logo for your startup. Your logo should reflect the purpose and identity of your brand.

4. Business Pitch Presentation

Prepare a short 2–3 minute business pitch. Explain:

- What is your product or service?
- Why is it useful?
- Who will buy it?

- How is it different from competitors?
- What is your future vision?

5. Interview a Shopkeeper / Businessperson

Conduct an interview with a local entrepreneur or shopkeeper and write their responses.

- What inspired you to start your business?
- What challenges did you face?
- How do you attract customers?
- What advice would you give to young entrepreneurs?

6. AI-Generated Product Branding

Use AI tools to create:

- Brand Name
- Tagline or Slogan
- Packaging Ideas
- Colour Theme
- Social Media Promotion Ideas

Note : Ensure that the assignments / sample papers / practice Worksheets shared by the subject teachers are done in the language register.

*** Revise all the chapters covered so far.**

SUSTAINABLE DEVELOPMENT GOALS

ENGLISH HOLIDAY HOMEWORK

CLASS X · MULTIDISCIPLINARY GROUP PROJECT

■ THEME: SDG-7 — AFFORDABLE AND CLEAN ENERGY



“Think Smart · Save Energy · Build the Future”

Name: _____

Class & Section: _____

Roll Number: _____

Group: _____

■ PROJECT OVERVIEW

Each student will prepare only the work related to his/her chosen subject. Further the subject work will be compiled together into one integrated group project. The project must reflect: • Competency-based learning • Critical thinking • Creativity and innovation • Real-life application • AI integration • Art integration • Value education

** Each student has to work on any two tasks of the below mentioned tasks.

** Use A4 size sheet. (Preferably white)

■ TOPIC

“Affordable and Clean Energy — A Step Towards Sustainable Living” Suggested Length: 6–8 Pages

■ 1. REAL-LIFE OBSERVATION TASK — “Energy Around Me”

Observe your home/school surroundings for one day and identify: • Where electricity is wasted • Which appliances consume more energy • How energy can be saved practically
Write: • 5 observations • 5 practical solutions

■ 2. SITUATION-BASED ARTICLE WRITING

Imagine your city faces a 24-hour electricity shortage due to excessive energy consumption. Write an article on: “How Responsible Energy Use Can Change Our Future”
Include: • Problems faced by people • Impact on students/hospitals/businesses • Solutions for sustainable living
(150–200 words)

■ 3. INTERVIEW-BASED ACTIVITY — “Voices for a Greener Future”

Interview any two people: • Parent • Grandparent • Electrician • Shopkeeper • Teacher
Present: •

5 interview questions • Short responses • Your conclusion

■ 4. AI INTEGRATION ACTIVITY

Use AI tools such as ChatGPT or Canva to create: • An AI-generated “Future Smart Green City” OR • An AI poster on clean energy conservation Then write: • What AI helped you create • How technology can support sustainability • One limitation of AI

■ 5. ART INTEGRATION TASK — “Waste to Wonderful”

Create any ONE: • Poster • Collage • Comic strip • 3D model • Infographic using recyclable materials like newspapers, cardboard, and waste items. Theme: “Save Energy Before Energy Saves Us”

■ 6. CASE STUDY ACTIVITY — “Clean Energy Heroes”

Research any ONE real-life example: • A solar-powered village • A smart eco-school • A metro city using renewable energy • An Indian clean-energy initiative Include: • Location • Initiative taken • Benefits to people • Your opinion

■ 7. VALUE EDUCATION TASK — “My Energy Responsibility Pledge”

Write 8–10 lines on: • How you can save electricity daily • Responsible habits students should follow • Why protecting nature is everyone’s duty Add: • A self-designed pledge card with your signature

■ 8. REFLECTION PAGE — “What This Project Changed in Me”

Write briefly: • What surprised you most • What habits you will change • How this project helped you think practically

■ PRESENTATION GUIDELINES

• Handwritten and original work only • Use creative headings and borders • Add photographs/drawings wherever possible • Maintain neatness and proper sequencing • Use eco-friendly decorative material • Attach relevant real-life examples and newspaper cuttings

***“Small steps towards saving energy can create a brighter and greener future
for everyone.”***

विषय - हिंदी

कक्षा - 10

प्रिय विद्यार्थियों,

ग्रीष्मावकाश केवल विश्राम का समय नहीं, बल्कि नई बातें सीखने, अपनी रचनात्मकता विकसित करने और समाज को समझने का भी अवसर है। नीचे दिए गए सभी कार्यों को सुंदर लिखावट, सजावट तथा मौलिक विचारों के साथ अपनी हिंदी रजिस्टर अथवा परियोजना फ़ाइल में पूरा कीजिए।

प्रश्न 1 : बहुविषयक परियोजना कार्य

“स्वच्छ और सस्ती ऊर्जा” (SDG Goal -clean and affordable energy)

। संयुक्त राष्ट्र के सतत विकास लक्ष्य (SDG) goal no. 7 में स्वच्छ और सस्ती ऊर्जा को विशेष महत्व दिया गया है।

परियोजना कार्य:

“ स्वच्छ और सस्ती ऊर्जा” विषय पर

* विज्ञापन रचना

* पत्र लेखन

आप सभ्य/ सभ्यता है। आप स्वच्छ और सस्ती ऊर्जा के प्रयोग के लिए आम नागरिकों को जागरूक करना चाहते हैं, इस हेतु संपादक को एक पत्र लिखिए।

* अनुच्छेद के रूप में अभिव्यक्त कीजिए।

* ई-मेल के रूप में (उपरोक्त किन्हीं दो बिंदुओं के आधार पर A4 size sheet पर लिखिए।

।विशेष निर्देश:

परियोजना को रंगीन चित्रों, स्लोगन तथा आकर्षक सजावट के साथ तैयार करें।

प्रश्न 2: पाठ के आधार पर दिए गए कार्य पत्रिका (१ से ६) अपने रजिस्टर में हल करें

गृहकार्य निर्धारित समय पर जमा करें। कक्षा में करवाएं गए पाठों की दोहराई कीजिए।

कार्य पत्रिका -1

- *लक्ष्मण के अनुसार परशुराम द्वारा धनुष तथा कुठार धारण करना व्यर्थ क्यों है?
- *परशुराम जी ने आत्म परिचय में क्या-क्या कहा?
- *लक्ष्मण परशुराम जी से व्यंग पूर्ण शैली में संवाद क्यों कर रहे हैं?
- *आपकी नजर में परशुराम जी का क्रोध करना उचित है या अनुचित तर्क सहित उत्तर दीजिए।
- *श्री राम द्वारा धनुष टूटने की स्वीकृति देने पर परशुराम ने उन्हें क्या कहा?

कार्य पत्रिका-2

- *गोपियां क्या तर्क देकर स्वयं को निर्गुण ब्रह्म की आराधना करने में असमर्थ सिद्ध करती हैं?
- *कृष्ण की बुद्धिमत्ता गोपियों को किस रूप में दिखाई पड़ती है?
- *गोपियों ने 'व्याधि' और 'करुई ककरी' किसे कहा है? और क्यों?
- *गोपियां कृष्ण को राजा का क्या कर्तव्य याद दिलाती हैं?
- *'तेल की गागर' के दृष्टांत के माध्यम से कई क्या भाव प्रकट करना चाहते हैं?

कार्यपत्रिका -3

- *पान वाले की बात सुनकर हालदार साहब चकित और द्रवित क्यों थे?
- *हालदार साहब कैप्टन के बारे में क्या जानने को उत्सुक थे? और क्यों?
- *हम सभी कैसे अपने दैनिक कार्यों से किसी न किसी रूप में अपने देश प्रेम को प्रकट कर सकते हैं?
- *'नेताजी का चश्मा' पाठ के संदर्भ में लिखिए कि पान वाले ने कप्तान को 'पागल' क्यों कहा?
- *मूर्तिकार के द्वारा 'मूर्ति बनाकर पटक देने के पीछे क्या भाव निहित है?

कार्य पत्रिका 4

- *प्रभाती किसे कहते हैं?
- *'बालगोबिन भगत' पाठ के आधार पर लिखिए कि अपनी पतोहू के प्रति बालगोविंद भगत का व्यवहार उनके किन गुणों को उजागर करता है?
- *इस पाठ में जो ग्राम की संस्कृति की झलक मिलती है, उसका उल्लेख कीजिए।
- *बालगोबिन भगत प्रतिवर्ष गंगा स्नान क्यों जाते थे? पाठ के आधार पर लिखिए।
- *बालगोबिन भगत किस संत के अनुयायी थे? उन पर उसका कितना प्रभाव था?

कार्य पत्रिका- 5

दिए गए वाक्यों के वाच्य पहचानिए व निर्देशानुसार परिवर्तित कीजिए--

- *धोबी द्वारा कपड़े क्यों नहीं धोए गए। कर्तृवाच्य
- *वह कह नहीं सका। भाववाच्य
- *मैं दीपावली पर मिट्टी के दीए जलाऊंगी। कर्मवाच्य
- *बीमारी के कारण उसे उठा नहीं जाता। कर्तृवाच्य
- *दो-तीन पक्षियों द्वारा अपने-अपने लय में एक साथ कूदा जा रहा था। कर्तृवाच्य
- *हर्षिता पैदल चल नहीं सकती। भाववाच्य
- *बालगोबिन भगत प्रभातियां गाते थे। कर्मवाच्य
- *श्यामा के गीत की तुलना बुलबुल के सुगम संगीत से की जाती है। कर्तृवाच्य
- *क्या यह उपन्यास मुंशी प्रेमचंद जी ने लिखा है? कर्मवाच्य
- *खबर सुनकर वह चल भी नहीं पा रही थी। भाववाच्य

कार्य पत्रिका -6

रेखांकित पदों का परिचय लिखें-

- *वीर पुरुष सब की प्रशंसा करता है।
- *मां की कोमलता अक्सर चोट खा जाती है।
- *मुझे कुछ बिस्कुट और कुछ दूध चाहिए।
- *जब मैं घर गई तो मदन सो रहा था।
- *धीरे-धीरे कुछ कीड़े हमारी ओर आ गए।
- *परिश्रमी अंकिता अपना काम समय से पूरा कर लेती है।
- *रवि रोज सवेरे दौड़ता है।
- *मैं अपने गांव की मिट्टी घूने के लिए तरस गया।

नोट -सभी कार्य पत्रिकाएं हिंदी के रजिस्टर में हल करें।

शुभकामनाएँ

Holiday's Homework (2026 - 2027)

Class X (Mathematics)

Note : Ensure that the practice work is done on A4 size sheets and is in neat handwriting. (Do not use your Maths fair register for this assignment.)

1. Revise all the chapters covered so far.
2. Complete the given SUBJECT ENRICHMENT ACTIVITIES Mathematics practical file.
(Activities will be send in the respective class group)

3. Group project (Only for selected students) :

SDG 7 – Affordable and Clean Energy

Project Title: Comparison of Electricity Bill Using Linear Equations

Objective: To represent electricity expenses using linear equations and graphs.

Assumptions statement : Let the units consumed be x and the total bill of electricity be y .

Case 1: Normal Electricity

Fixed charge = Rs. 200

Cost per unit = Rs. 8

Equation: $y = 8x + 200$

Case 2: Solar Energy System

Maintenance charge = Rs. 100

Cost per unit = Rs. 3

Equation: $y = 3x + 100$

Units Consumed	Normal Bill	Solar Energy Bill
0	200	100
10	280	130
20	360	160
30	440	190
40	520	220

1. Represent above info graphically. (Use different colour pens for representing equations on graph)
2. Find the point where both bills would become equal.
3. If the cost per unit of solar energy becomes ₹5 instead of ₹3, compare both equations again. Which option will still be better?
4. If the government gives a subsidy reducing solar fixed charges to ₹50, write the new equation and predict the graph's position. Why is the subsidy given by the government?
5. If a family consumes more and more electricity every month, which option becomes more beneficial in the long run? Explain mathematically.

OUR LADY OF FATIMA CONVENT SCHOOL

SOCIAL SCIENCE — HOLIDAY HOMEWORK

CLASS X • INDIVIDUAL ACTIVITY • MANDATORY FOR ALL

SUBMIT ON REOPENING DAY • HANDWRITTEN & ORIGINAL • NEAT & CREATIVE PRESENTATION

ASSIGNMENT OVERVIEW

ROLL NUMBERS	TOPIC	ACTIVITY
01 – 10	Consumer Awareness	POSTER MAKING
11 – 20	Water Conservation & Sustainable Development	PROJECT WORK
21 – 30	Impact of War on Society and Economy	PROJECT WORK
31 – 40	Social Media Addiction among Youth	PROJECT WORK

GENERAL INSTRUCTIONS

INSTRUCTION 01 The work must be handwritten and original . Mention your Name, Class, Section , and Roll Number clearly on every submission.	INSTRUCTION 02 Project work should be 8-10 pages in length, excluding the cover page.
INSTRUCTION 03 Poster Making must be creative, colourful, informative , and slogan-based .	INSTRUCTION 04 Use pictures, diagrams, newspaper cuttings, slogans, charts , and case studies wherever applicable.
INSTRUCTION 05 Maintain neatness, creativity , and proper presentation throughout the work.	INSTRUCTION 06 Submit the holiday homework on the reopening day after vacations. Late submissions will not be accepted.

AREAS TO BE COVERED

ROLL 11 – 20	Water Conservation and Sustainable Development PROJECT WORK • 8-10 PAGES
▶ Meaning of sustainable development ▶ Causes of water scarcity ▶ Rainwater harvesting ▶ Role of students and citizens ▶ Importance of water conservation ▶ Methods of water conservation ▶ Government initiatives	
ROLL 21 – 30	Impact of War on Society and Economy PROJECT WORK • 8-10 PAGES
▶ Causes of war ▶ Refugee crisis and displacement ▶ Present-day examples / case studies ▶ Social and economic impact ▶ Effect on education and healthcare ▶ Importance of peace and cooperation	
ROLL 31 – 40	Social Media Addiction among Youth PROJECT WORK • 8-10 PAGES
▶ Meaning of social media addiction ▶ Impact on studies and health ▶ Role of parents and schools ▶ Causes and effects on youth ▶ Cyberbullying and online safety ▶ Measures for healthy digital habits	

*The holiday homework aims to develop **awareness, critical thinking, creativity,** and a deeper **understanding of contemporary social issues** through meaningful Social Science learning and independent research.*

Social Science Component – Interdisciplinary Project (class X)

Topic: “Affordable and Clean Energy – SDG 7”

As part of the interdisciplinary project on “Affordable and Clean Energy – SDG 7”, students are required to study the topic from a Social Science perspective with special reference to the global energy crisis and present-day geopolitics.

The project should focus on understanding the **“Why” and “How”** related to the global energy scenario.

Areas to be Covered

1. Why is the world facing an energy crisis?*

- Causes of the global energy crisis
- Increasing demand for energy
- Over dependence on fossil fuels
- Impact of wars and international conflicts on energy supply and prices

2. How does geopolitics influence energy resources?

- Role of major countries in controlling oil and gas resources
- Impact of international relations on global energy supply
- Energy security and competition among nations
- Shift towards renewable and clean sources of energy

3. Affordable and Clean Energy (SDG 7)

- Importance of renewable energy for sustainable development
- Need for affordable and accessible energy for all
- Steps taken by countries, including India, to promote clean energy

Instructions

- The project should reflect critical thinking, awareness, and understanding of current global issues.
- Students may include case studies, maps, newspaper reports, graphs, and relevant pictures.
- Emphasis should be laid on analysis and interpretation rather than only theoretical explanation.
- The work must be neat, creative, and research-oriented

SCIENCE CLASS 10 - HOLIDAY HOMEWORK

1. Revision

Revise all the chapters taught in the class so far.

2. Practical File Work

Write the following 3 practicals in your practical file as per Class 10 syllabus:

a) Physics: To determine the focal length of:

i) A concave mirror

ii) A convex lens

b) Biology: To observe stomata using a leaf peel.

c) Chemistry: To study chemical reactions.

Note: Do all the practicals in one practical file

3. Multidisciplinary Project

Prepare a multidisciplinary project on SDG 7 – Affordable and Clean Energy.

TOPIC- Clean Energy Around Us – Haryana and India Study

Objectives

*Study different clean energy resources in India and Haryana.

Understand the importance of renewable energy.

*Identify practical applications of clean energy.

Instructions for Students

*Collect information from newspapers, internet, and books.

*Study solar parks, wind farms, or biogas plants.

*Prepare state-wise or region-wise data tables.

*Add maps, charts, and pictures.

Guidelines

Include:

*Types of renewable energy

*Clean energy projects in Haryana

*Advantages of renewable energy

*Challenges faced

Suggestions for future improvements.

*Project must be handwritten neatly.

*Use A4 size sheets/file.

*Include coloured headings and diagrams.

*Add real-life examples and photographs.

*Mention references and sources used.

Art holiday Homework

1. Make one best out of waste using old news paper
2. Make one Mandala Art
3. Make one Landscape on A3 size Sheet

AI TASKS

Task Title: Build Your Own AI Model using Teachable Machine

Using Google Teachable Machine, students should create a simple AI model.

Possible project ideas:

Mask / No Mask detector

Happy / Sad face recognizer

Different hand gesture recognizer

Identify objects (pen / bottle / book)

Sound recognition (clap / whistle / snap)

Instructions

Open Google Teachable Machine.

Choose:

Image Project OR

Audio Project

Collect sample data for at least 2 classes/categories.

Train the AI model.

Test the model.

Take screenshots of:

Dataset collection

Training process

Final prediction/output

Prepare a short report

What should report include:

Project title

Problem statement

Categories/classes used

Number of samples collected

Steps followed

Result

Challenges faced

Real-life application of the model