

# VIVEKANAND PUBLIC SCHOOL

HOLIDAY HOMEWORK

CLASS: XI

Homework is not just about about  
completing tasks, it's about building  
knowledge and skills.



# **HOLIDAY HOMEWORK**

**2025-26**

**CLASS XI**

## **GENERAL INSTRUCTIONS FOR HOLIDAY HOMEWORK**

**Dear Students and Parents,**

**As the summer break begins, we encourage students to make the most of this time to rest, rejuvenate, and reinforce their academic concepts. To ensure a productive break, holiday homework has been thoughtfully designed for each subject.**

**Please read the following general instructions carefully:**

**1.Submission Date: All holiday homework must be completed and submitted on the first day of school after the vacation.**

**2.Neatness and Presentation: Work should be done neatly and legibly. Use proper headings and maintain good handwriting. Diagrams, charts, or illustrations (if required) should be neatly drawn and labelled.**

**3.Original Work: Plagiarism or copying from others is strictly discouraged. Homework must reflect the student's own understanding and effort.**

**4.Time Management: Plan a daily schedule to balance study and recreation. Avoid last-minute rush by completing homework gradually over the break.**

**5.Subject-Wise Guidelines: Follow the specific instructions provided by subject teachers for each assignment. These are available on the school website under the respective subject sections.**

**6.Encouragement to Read: Students are encouraged to read books, newspapers, and magazines to improve language skills and general awareness.**

**7.Parental Involvement: Parents are requested to guide and motivate their wards without doing the work for them.**

**We wish all our students a safe, enjoyable, and enriching vacation!**

## ENGLISH

**Q1.** Complete the project taking ideas from the guidelines given below. It has to be made on A4 sized sheets and to be enclosed in a beautiful file.

**Q2.** Complete the assignment given below in your English notebooks.

### **SUGGESTIONS FOR PROJECT WORK:**

The Project can be inter-disciplinary in theme. The students must take any one of the techniques given below as a methodology of project work

#### **a) Interview-Based Research:**

Students can choose a topic and conduct interviews with a few neighbors/ friends/acquaintances etc. on the topic. For that the student will frame questions based on the preliminary research/background and then he will then write an essay/ write up / report etc. up to 1000 words on his/her research and submit it.

#### **b) Audio/ Video based Research:**

Students can listen to podcasts/ interviews/radio or TV documentary on a topic and prepare a report countering or agreeing with the speakers. Write an 800 - 1000 words report and submit

The ideas/issues highlighted in the chapters/ poems/ drama given in the prescribed books can be developed in the form of a project with the suggestive sub topic given below.

Kindly refer to Project guidelines and the Parameters of Assessment while making the project.

#### **LIST OF TOPICS/THEMES (Choose any one)**

- The Population Control Bill is the Right Step Forward.
- Unrestrained Freedom of Speech and Expression is the Pillar of Progressive Society.
- Fulfilment of new woman in India is a Myth.
- Where Humanity Fails, Pandemic Occurs • Peace is Both a Right and Duty.
- Designer Babies- a Boon or Bane
- Should Healthcare and Medicine be Provided Free by the Government?
- Childhood Vaccinations should be Compulsory.
- Populism is a threat to Democracy.
- People should not have more than two children.
- People are the Gender They Choose.
- Euthanasia-a Right to Death
- Is Masculinity a Problem to overcome?
- Juveniles should be tried and tested as adults.
- Objectification of women in society.
- There is a need to restore Net Neutrality
- Legalize the Sale of Human Organs
- Paperless Currency-the future of the World Economy.
- Sports Scenario of India- Do players or owners make a team?

- Should we determine the team greatness with championship?
- OTT platform vs. Conventional Cinema
- NEP 2020

### **PROJECT LAYOUT**

- SHEET 1- Cover Page with title, school details, details of students
- SHEET 2-Statement of purpose/ Objective/ Goal
- SHEET 3- Certificate of Completion under the guidance of the teacher.
- SHEET 4- Action Plan 3-4 lines about the project.
  - Research Tools and Methodology.
  - Supporting Material-AV Aids/ PPT
- SHEET 5- Introduction of the Project.
- SHEET 6- Body of the Project
  - Supporting Material
  - Questionnaire
  - Case Study
  - Assignments
  - Survey Report
  - Transcripts
  - Articles
  - Interview
- SHEET 7-REPORT 800–1000-word essay/script/report
- SHEET 8-STUDENT/GROUP REFLECTION
  - 100-150 words paragraph about the experience and learning outcomes
- SHEET 9-PHOTOGRAPHS
- SHEET 10- LIST RESOURCES/ BIBLIOGRAPH

### **Assignment 1 Link :**

[https://docs.google.com/document/d/1Xp44vZCKvoMC4H4hGsXXwVLB7tFK6u\\_7CbeAcfV6GiA/edit?usp=drivesdk](https://docs.google.com/document/d/1Xp44vZCKvoMC4H4hGsXXwVLB7tFK6u_7CbeAcfV6GiA/edit?usp=drivesdk)

### **Assignment 2 Link :**

[https://docs.google.com/document/d/1q3kmjqCE9wLwW2oZcOoC1k8\\_aYX9ohxRd9PNF9XBHLc/edit?usp=drivesdk](https://docs.google.com/document/d/1q3kmjqCE9wLwW2oZcOoC1k8_aYX9ohxRd9PNF9XBHLc/edit?usp=drivesdk)

## ACCOUNTANCY

**STUDENT has to make model on any one topic:**

### ♦ Model 1: Journal to Trial Balance – A Complete Accounting Cycle

**Objective:** To help students understand the entire accounting process from journal entries to trial balance.

**Activities:**

- Select a small fictional business (e.g., grocery shop, tuition center).
  - Record at least 15 business transactions.
  - Prepare:
    - Journal entries
    - Ledger accounts
    - Trial Balance
- 

### ♦ Model 2: Accounting for a Sole Proprietor

**Objective:** Understand how transactions are recorded for a sole proprietorship.

**Activities:**

- Create a fictional character (e.g., Raj, who runs a mobile shop).
  - Describe his business setup.
  - Record opening capital, expenses, revenues, and withdrawals.
  - Prepare basic financial statements (Cash Book, Profit & Loss, Capital Account).
- 

### ♦ Model 3: Vouchers and Source Documents Compilation

**Objective:** Understand and differentiate between types of source documents and vouchers.

**Activities:**

- Collect samples of:
  - Cash Memo
  - Invoice
  - Debit Note
  - Credit Note
  - Cheque
- Explain each document with a real-world example.

- Create a table categorizing them as cash/non-cash or supporting/accounting vouchers.

**Deliverable:** A scrapbook-style file or PowerPoint presentation.

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#### ♦ **Model 4: Depreciation Chart Using Fixed Instalment Method**

**Objective:** Learn how depreciation is calculated using the straight-line method.

**Activities:**

- Choose an asset (e.g., machinery worth ₹1,00,000).
- Assume a useful life and scrap value.
- Calculate and show depreciation for 3 years.
- Represent data through a bar graph or line chart.

ASSIGNMENT QUESTIONS TO BE DONE IN CLASS NOTEBOOK:

**Assignment Link :**

[https://docs.google.com/document/d/197xtd3Eq-fjZWbPhnt72WKmNR5CsMvLA/edit?usp=drive\\_link&ouid=105382473118874823041&rtpof=true&sd=true](https://docs.google.com/document/d/197xtd3Eq-fjZWbPhnt72WKmNR5CsMvLA/edit?usp=drive_link&ouid=105382473118874823041&rtpof=true&sd=true)

## **Business Studies**

(i). **Assignment 1 and 2 Link** : Do the assignments in your register.

<https://drive.google.com/file/d/19bFFNBj3dUlrIQgV7zQ2iD8mUm4zDGs5/view?usp=drivesdk>

(ii).MODEL ( on any one topic):

### 1.Types of Business Organisations

– 3D models showing Sole Proprietorship, Partnership, Joint Stock Company, and Cooperative Society.

### 2.E-Business vs Traditional Business

– A comparative model or working setup demonstrating online vs offline business processes.

### 3.Supply Chain Management

– Flow diagram/model showing the journey of a product from manufacturer to customer

### 4. Digital Payment Systems in India

– Working model showing UPI, NEFT, RTGS, and digital wallets.

### 5.Social Responsibility of Business

– Model highlighting corporate social responsibility (CSR) initiatives by companies.

### 6.Banking Services & Procedures

– Model showing how to open a bank account, use of cheques, ATM, online banking, etc.

### 7.Insurance Services

– Display types of insurance (life, health, fire, marine) and their relevance to business.

Submission date: 5-07-2025

## **Subject : Computer Science**

**Students will explore modern app development techniques and cybersecurity measures to create a secure digital experience. Choose any one topic and work on it:**

### **App Development Challenge:**

- Design a basic mobile/web app using MIT App Inventor, Python (Flask), or JavaScript.
- The app should solve a real-world problem (e.g., a password manager, a study planner, or a mental health tracker).
- Submit the code, screenshots, and a short write-up explaining its functionality.

### **Cybersecurity Awareness Campaign:**

- Research latest cybersecurity threats (e.g., phishing, ransomware, AI-driven attacks).
- Create a poster or infographic educating people on how to stay safe online.
- Include tips on strong passwords, multi-factor authentication, and safe browsing.

### **Ethical Hacking Basics:**

- Learn about penetration testing and ethical hacking tools (e.g., Kali Linux, Wireshark).
- Write a 500-word report on how ethical hackers help prevent cybercrime.
- Discuss real-world cases where ethical hacking saved organizations.

### **AI in Cybersecurity:**

- Research how AI is used to detect cyber threats.
- Write a short essay on whether AI can replace human cybersecurity experts.
- Include examples of AI-driven security tools.

### **Submission Format:**

- **Typed or handwritten reports.**
- **Digital submissions in PDF format.**
- **Deadline: First week of school reopening**

### **Assignment 1 and 2 Link :**

[https://drive.google.com/file/d/1MiX7mCYWgWAjCvq\\_VIKtn1Tc\\_tkrSvPx/view?usp=drive\\_link](https://drive.google.com/file/d/1MiX7mCYWgWAjCvq_VIKtn1Tc_tkrSvPx/view?usp=drive_link)



# Physical Education

## PROJECT WORK

1. Write following in the physical education manual
  - Fitness tests administration. (SAI Khelo India Test)
  - 2.Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease.
  - One IOA recognized Sport/Game of choice. Labelled diagram of Field & Equipment. Also, mention its Rules, Terminologies & Skills
2. Prepare a flex chart for the above game.

### Assignment 1 Link :

[https://docs.google.com/document/d/1-l2a1\\_qcljufAAmYDAgBvzihcP8Nmbq2/edit?usp=drivesdk&oid=111977900308964601744&rtpof=true&sd=true](https://docs.google.com/document/d/1-l2a1_qcljufAAmYDAgBvzihcP8Nmbq2/edit?usp=drivesdk&oid=111977900308964601744&rtpof=true&sd=true)

### Assignment 2 Link :

<https://docs.google.com/document/d/1-lAcStzVQOpHtDhl2SbXxwRvVidIQ2Tg/edit?usp=drivesdk&oid=111977900308964601744&rtpof=true&sd=true>

## **BIOLOGY**

### **PROJECT :**

- Prepare a 3-D or working model based on AI/ any topic based on syllabus
- Complete the given assignments in the homework notebook.

### **Assignment Link :**

<https://docs.google.com/document/d/1l92l9c5qKmdAoguMMCP7VdrwHCkHSZa6QSqBFNZE71Q/edit?usp=drivesdk>

## **ECONOMICS**

### Guidelines for preparation of a model for class XI:

- 1) Prepare a scrapbook on 10-15 headlines related to market changes in Indian Economy.
- 2) Prepare a Model on any one of the following:
  - a) Production Possibility Curve
  - b) Law of diminishing marginal utility
  - c) Sustainable Development Goals
  - d) Law of Variable Proportions
- 3) Prepare a PPT on any one of the following:
  - a) Sustainable School
  - b) Main Market forms
  - c) Consumer Equilibrium and Utility
  - d) Theory of demand
  - e) Theory of Supply.
- 4) Write 10 slogans on protecting our environment on A4 size sheets.

### **Assignment 1 and 2 Link :**

[https://docs.google.com/document/d/1H9-U0\\_keQPGtkW-ZhYymZq-UcX8A8Jdm/edit?usp=drivesdk&oid=107276887443946514845&rtpof=true&sd=true](https://docs.google.com/document/d/1H9-U0_keQPGtkW-ZhYymZq-UcX8A8Jdm/edit?usp=drivesdk&oid=107276887443946514845&rtpof=true&sd=true)

## **Political Science**

(A) Political Science Project- Prepare a project according to CBSE guidelines.

Topics as discussed in the classroom.

Some suggested topics are:

1. Indian Constitution
2. Equality
3. Liberty
4. Judiciary
5. Executive
6. Elections
7. Local government
8. Legislature
9. Social Justice

INSTRUCTIONS ARE AS FOLLOWS:

1. Project must be handwritten. Print outs will not be accepted.
2. Project to be done individually.
3. Page Limit- 25-30 pages.
4. Pictures must be incorporated.
5. Assessment will be based on creativity, presentation and research work conducted by the student.

(B) Prepare a poster on 'Social Justice'.

**Assignment 1 Link :**

[https://docs.google.com/document/d/19\\_EyjdSXPRPFs2OTILfIKvSx2tzbkU52cPKnXrI0WpQ/edit?usp=drivesdk](https://docs.google.com/document/d/19_EyjdSXPRPFs2OTILfIKvSx2tzbkU52cPKnXrI0WpQ/edit?usp=drivesdk)

**Assignment 2 Link :**

<https://docs.google.com/document/d/1QrSEcbekiLfDz5ZJTCDQJIGagVl1JyjoLFWImJU0w/edit?usp=drivesdk>

# History

## **Make a POWERPOINT PRESENTATION**

### **Chapter 1 WRITING AND CITY LIFE**

Topic 1. - Roll no 1-4

Mesopotamia

Sources

geography

Urbanisation

Movement of goods.

Development of writing.

Literacy.

Topic 2 . Roll no 5-7

Temples and kings

Earliest city Ur

Life in cities

Mari

Problem with agriculture.

A-Trading town in a Pastoralists zone

Topic 3. Roll no 8-11

legacy of writing

Seals

An early library

An early archaeologist

### **Chapter 2. Across three continents.**

Topic 4. Roll no 12-14

Sources of Roman Empire.

Geography of the Roman Empire.

Topic 5- 15-17

Age of king Augustus

His administration

Army

Succession to the throne

Topic 6- 18-21

Gender, literacy, and culture

Social division

Topic 7. 22- 25

Economic expansion

Controlling workers

Topic 8. 26-29  
Timeline of Romans  
Late antiquity

**Instructions for the PPT.**

- Each PPT should be of 5 to 6 slides.
  - Use paintings maps pictures to beautify the ppt.
  - Prepare presentation to be given in class.
  - PPT to be made in groups and to be discussed in class .
  - It should be done according to the role numbers mentioned in front of the topicsp
- 
- Do assignments in the history register.

**Assignment 1 Link :**

<https://drive.google.com/file/d/14jkBxn0NIQ461cncCje7BONo1VpqONgV/view?usp=sharing>

**Assignment 2 Link :**

[https://drive.google.com/file/d/1PwXW3\\_5ySgkEcdEKcpxXzZA6oedg6\\_Kr/view?usp=sharing](https://drive.google.com/file/d/1PwXW3_5ySgkEcdEKcpxXzZA6oedg6_Kr/view?usp=sharing)

## **SUBJECT - MATHEMATICS**

PART - A: Do the five lab manual activity in the activity file.(pdf share in the class)

### **Maths Project Guidelines:**

To develop interest in math, improve accuracy, and increase problem-solving speed, you're assigned a project to work on during the summer break with your group.

### **Project Objectives:**

1. Develop interest in math
2. Improve mathematical accuracy
3. Enhance problem-solving speed

### **Project Suggestions:**

1. Create mathematical models to represent real-life problems
2. Develop math-based games or puzzles
3. Design a math exhibition showcasing mathematical concepts

### **Project Suggestions:**

1. Accuracy and precision in mathematical concepts
2. Attractive and engaging presentation
3. Effective group collaboration

### **Project Evaluation**

1. Mathematical content and accuracy
2. Presentation quality and creativity
3. Group collaboration and teamwork

Have fun working on your project!

### **General instructions**

Make a project based on sets(Roll no 1 to 10)

Make a project based on Functions (Roll no 11 to 20)

Make a project based on trigonometric angles( Roll no 21 to 30)

Make a project based on conic section( Roll no 30 onward)

**Assignment 1 and 2 Link :**

**<https://docs.google.com/document/d/14UFmKRedlET2t6tATABtFdmh4tKLOaFk/edit?usp=drivesdk&oid=103460195394589321471&rtpof=true&sd=true>**

## **CHEMISTRY**

**PREPARE A PROJECT ON ANY ONE TOPIC**



Waste to chemicals: Transforming wastes and residues to energy, fuels and other useful chemicals.

Endangered elements: Managing and extraction, use, reuse and alternative development for elements in the chemical enterprise that are facing critical supply risks.

Nobel laureates in Chemistry (any 5): Their Life and works.

#### GENERAL INSTRUCTIONS:

The report can be typed/handwritten, with pictures

Write only on one side of the sheet.

Use A-4 coloured or white sheets, whichever easily available.

ASSIGNMENT QUESTIONS TO BE DONE IN CLASS NOTEBOOK:

#### **Assignment Link :**

[https://docs.google.com/document/d/1QxcaTPLsBXsYGbioyrbPSy4BKR1YLkh-/edit?usp=drive\\_link&oid=105382473118874823041&rtpof=true&sd=true](https://docs.google.com/document/d/1QxcaTPLsBXsYGbioyrbPSy4BKR1YLkh-/edit?usp=drive_link&oid=105382473118874823041&rtpof=true&sd=true)

### **PHYSICS**

Make An Investigatory Project and Working Model on any one Topic.

## □ Mechanics:

- **Projectile Motion:**

Investigate the relationship between the angle of projection and the range of a projectile (like a ball thrown in the air).

- **Inclined Plane:**

Study the force required to roll an object down an inclined plane and its relationship with the angle of inclination

- **Simple Pendulum:**

Investigate the factors affecting the period of a simple pendulum, such as the length of the pendulum string and the mass of the bob.

- **Hooke's Law:**

Verify Hooke's law by measuring the stretch of a spring under different loads and plotting a graph to analyse the relationship.

- **Energy Conservation:**

Study the conservation of energy of a ball rolling down an inclined plane using a double inclined plane.

## □ Fluid Mechanics and Heat:

- **Surface Tension:**

Investigate the effect of detergents on the surface tension of water by observing capillary rise.

- **Water Displacement:**

Study the relationship between volume of displacement and the buoyant force experienced by an object when submerged in water.

- **Thermal Conductivity:**

Investigate the thermal conductivity of different materials by observing the rate at which they transfer heat.

**Write First 3 Experiment in Your Practical File**

1. Exp.1 – To Measure the Diameter of a Small Spherical /Cylindrical Body and To Measure Its Internal Diameter and Depth of a Given Beaker Using Vernier Calliper and Hence Find Its Volume.
2. Exp 2 – To Measure the Diameter of Given Wire and Thickness of a Given Sheet by Using Screw Guage.
3. Exp 3 To Determine the Volume of Irregular Lamina Using Screw Guage.

**Assignment 1 and 2 Link :**

[https://docs.google.com/document/d/1MTaye-ofMXqlYe4m-avSBLm9VUI0pxDv/edit?usp=drive\\_link&oid=105382473118874823041&rtpof=true&sd=true](https://docs.google.com/document/d/1MTaye-ofMXqlYe4m-avSBLm9VUI0pxDv/edit?usp=drive_link&oid=105382473118874823041&rtpof=true&sd=true)

# SEWA PROJECT

## 2025-26

### **CBSE Sewa Project Guidelines for Class XI – Holiday Homework**

#### Objective:

To promote community service, experiential learning, and the development of empathy and civic responsibility among students.

#### Project Components:

Title of the Project

Objective – What is the purpose of this Seva activity?

Planning and Preparation – How the student planned the activity (include date, place, materials, etc.)

Execution/Implementation – Description of the work done.

Reflections – What did the student learn? How did the activity impact them or the community?

Photographs (if available) – With captions (up to 3–4 only).

Acknowledgements

◆ Format:

Word limit: 500–800 words

Can be handwritten or typed

Submit in a file or scrapbook format

Include a cover page with student's name, class, section, and project title

**Subject: CBSE SEWA (Social Empowerment through Work Education and Action)**

**Theme: Dignity of Labour**

1. Objective:

To inculcate respect for all forms of work, especially manual labour, and to understand the contribution of workers to society, fostering empathy and responsibility among students.

2. Learning Outcomes:

By the end of the project, students should be able to:

Appreciate the importance of every type of work.

Demonstrate empathy toward workers performing manual tasks.

Engage in hands-on experiences that reflect respect for labour.

Reflect on social attitudes and biases related to different forms of work.

3. Suggested Activities:

Students can choose one or more of the following:

Interview support staff (e.g., janitors, gardeners, helpers) and document their daily work and challenges.

Volunteer for a day in roles involving physical/manual tasks (sweeping classrooms, arranging books, cleaning, etc.).

Create posters/slogans promoting dignity of labour and display them in school.

Organize a talk/discussion with professionals or workers from different sectors.

Prepare a short documentary or photo essay on “A Day in the Life of a Worker.”

#### 4. Report Format (for Submission):

Cover Page (Title, Name, Roll No., Class, School Name)

Acknowledgement

Certificate (school certified)

Introduction to SEWA

Objective of the Project

Details of Activities Undertaken

Findings/Observations

Reflection and Learning

Conclusion

Photographs (if any)

Appendix (interview questions, etc.)

#### 5. Duration:

Minimum 15 hours spread across multiple sessions/days.

#### 6. Assessment Criteria:

Engagement in activities

Creativity and originality

Clarity of reflection

Presentation of report

Social sensitivity and attitude shown

#### 7. Submission:

Should be submitted as a hard copy or digital PDF as per school instructions.