



**Holiday Homework 2026-2027**  
**Class-X**

Sr. No.	Subject Name	Homework
1.	English	<p><b><u>Instructions:</u></b></p> <ol style="list-style-type: none"><li>Sections A, and B are compulsory for all students.</li><li>For the Art Integrated Project, choose any <b><u>ONE</u></b> topic from A or B.</li></ol> <p style="text-align: center;"><b><u>Section A - Reading Skills</u></b></p> <p>1) Reading Task Read the chapter <b>Nelson Mandela: Long Walk to Freedom</b> carefully and write:</p> <ul style="list-style-type: none"><li>❖ A summary of the chapter in about 150 words.</li><li>❖ Five qualities of Nelson Mandela that inspired you.</li><li>❖ Write any five <b><u>new words</u></b> from the chapter with their meanings.</li></ul> <p style="text-align: center;"><b><u>Section B - Creative Writing</u></b></p> <p>2) Paragraph Writing</p> <p>Q. 1 Write a paragraph (100-120 words) on any one topic:</p> <ul style="list-style-type: none"><li>❖ Importance of Kindness</li><li>❖ A Memorable Holiday</li><li>❖ Nature - Our Best Friend</li></ul> <p>3) Writing Skill</p> <p>Q.1 You are Sakshi/Saksham, Hostel Warden, Radha Krishna Public School, Vrindavan, Uttar Pradesh. Write a letter to the Sales Manager, Bharat Electronics and Domestic Appliances Ltd., New Delhi, placing an order for fans microwaves, ovens and geysers that you wish to purchase for the hostel. Also ask for discount permissible on the purchase.</p> <p>Q.2 Write a letter to the Editor, 'The Hindu', about the mosquito menace due to stagnant water in your locality. Give suggestions to improve the situation. You are Raman/ Renu, living in Rajaji Nagar, Tirunveli.</p>



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## ART INTEGRATED PROJECT

### **Prepare any ONE of the Project topics:**

**A) Create an Art Integrated Project on Lencho showing his character, emotions after the hailstorm, and the message of the story through creative activities.**

**You may include the following sections:**

#### **1. Cover Page**

Include:

- Title: *Faith Beyond the Storm*
- Name, Class, Roll No.
- Subject: English
- Teacher's Name
- School Name
- Attractive drawing of Lencho's field

#### **2. Index Page**

List all sections with page numbers.

#### **3. Introduction (1 Page)**

- Brief summary of the chapter
- Short introduction to Lencho's character

#### **4. Art Activities Section**

##### **A. Character Sketch**

- Draw Lencho before and after hailstorm
- Write 5-6 lines explaining the drawing

##### **B. Creative Letter**

- Design Lencho's letter beautifully
- Decorate with clouds, crops, rain, hail

##### **C. Monologue (Written Script)**

- Write 10-12 lines as Lencho speaking after the storm

#### **5. Reflection Page**

- What value did I learn from Lencho?



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- What would I do in his place?

## 6. Conclusion

Short paragraph on how art helped you understand the story better.

**OR**

**B) Make a colourful chart or scrapbook on the following topic:**

### i) **Life and achievements of Nelson Mandela**

**Your project should include:**

**Early Life, Struggle Against Apartheid, Imprisonment, Major Achievements, Famous Quotes, Values We Learn**

### ii) **Poetic beauty in Dust of Snow and Fire and Ice**

#### **a) *Dust of Snow***

**Include:**

- Theme of the poem
- Message of the poem
- Explanation of poetic beauty

**Literary Devices:**

Rhyme Scheme, Alliteration, Enjambment, Symbolism, Imagery.

#### **b) *Fire and Ice***

**Include:**

- Theme of destruction
- Meaning of fire and ice
- Message of the poem

**Literary Devices:**

- Rhyme Scheme, Symbolism, Alliteration, Imagery, Metaphor

### **Submission Guidelines**

- 1) **Format** : All written work should be compiled in a neatly decorated A4 size folder.
- 2) **Originality** : Plagiarism from the internet will result in a deduction of marks. Use your own voice!
- 3) **Deadline** : To be submitted on the **first day of school** after the holidays



2. Physics

## Holiday Homework Instructions

- 1) Complete all activities neatly in a separate Physics notebook/file.
- 2) Draw diagrams with pencil and colours wherever required.
- 3) Paste pictures wherever possible.
- 4) Mention Aim, Materials Required, Procedure, Observation, and Conclusion for each activity.
- 5) Submit the project after holidays.
- 6) Neatness, creativity, diagrams, and originality will carry extra marks.

### Activity 1: Reflection of Light Using Mirror

**Aim:** To study the laws of reflection using a plane mirror.

#### Materials Required:

- a) Plane
- b) Plane mirror
- c) White sheet
- d) Torch/laser light
- e) Scale
- f) Protractor

#### Procedure:

- 1) Fix the white sheet on a table.
- 2) Place the mirror vertically on the sheet.
- 3) Allow a ray of light to fall on the mirror.
- 4) Measure the angle of incidence and angle of reflection.
- 5) Repeat for different angles.

#### Observation:

Angle of Incidence	Angle of Reflection

**Conclusion:** The angle of incidence is equal to the angle of reflection.

#### Diagram:

Draw a neat ray diagram showing incident ray, reflected ray, and normal.



## Activity 2: Household Appliances Survey

**Aim:** To study electricity consumption of household appliances.

**Instructions:** Prepare a table showing:

- Appliance name
- Power rating
- Hours used per day
- Estimated electricity consumed

**Observation Table:**

Appliance	Power Rating	Hours Used	Energy Consumed
Fan			
TV			

**Formula Used:**

$$E = P \times t$$

## Activity 3: Sources of Energy Chart

**Prepare a colourful chart on:**

- 1) Renewable sources of energy
- 2) Nonrenewable sources of energy

Include:

- Solar energy
- Wind energy
- Hydroelectricity
- Coal
- Petroleum

Write advantages and disadvantages of each.

**Activity 4: Prepare Any One:**

- DIY Security Mirror
- Periscope
- Kaleidoscope
- Reflection Maze



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3.	Maths	<p>Students are required to prepare the Mathematics Activities File in a neat and proper manner in a spiral milky file, along with all necessary diagrams and proper presentation.</p> <p>The title page format will be shared separately. The list of activities and assignments to be completed will also be shared in the class group.</p>
4.	Social Science	<ol style="list-style-type: none"><li>1) Prepare and revise all the chapters that have been taught in class till date.</li><li>2) Write the questions and answers in your Social Science notebook.</li><li>3) These question-answers have already been forwarded to you in your class WhatsApp group by your respective Social Science teacher.</li><li>4) Maintenance of Portfolio File-as per the instructions given in the document.</li><li>5) Interdisciplinary Project (IDP) on Topic-Globalisation</li></ol> <p>Project Work- Prepare a project on any ONE of the following topics: Social Issues Sustainable Development Consumer Rights</p> <p><b>Refer to the document forwarded in your WhatsApp group by your Social Science teacher for detailed guidelines on the Portfolio File, IDP, and Project Work.</b></p>
5.	Biology	<p><b><u>Instructions</u></b></p> <ol style="list-style-type: none"><li>1) Use cardboard file for the project.</li><li>2) Use white chart paper for the cover with proper school logo</li><li>3) Class with section, student name and the session should be mentioned on the cover page</li><li>4) Project should contain Acknowledgement, index page, conclusion and bibliography</li></ol> <p><b>1. NCERT Textbook Focus: Essential Concept Check</b></p> <p>Locate the answers to these questions within your NCERT Science textbook:</p> <ol style="list-style-type: none"><li>1) What is the basic filtration unit in the human kidney? (Draw and label it).</li><li>2) Describe the purpose of 'Selective Reabsorption' in the PCT.</li><li>3) List the nitrogenous wastes removed from the blood by the kidneys.</li><li>4) What is the difference between excretion and egestion?</li><li>5) Explain the process of transport of urine from the kidneys to the urinary bladder.</li><li>6) How is the volume of urine output regulated by the brain and hormones?</li><li>7) How do plants get rid of their excretory products? List three methods.</li></ol>



## 2. Hands-on Activity: Modeling the Kidney

Objective: To simulate the process of filtration using household items.

Materials: A funnel, a coffee filter or fine cloth, a glass of water mixed with sand, tea leaves, and food color.

Task: Pour the mixture through the filter into a clean glass.

### Observation Questions:

- Which part of the kidney does the 'Filter Paper' represent?
- Which substances in your mixture represent 'Large Proteins/Blood Cells' that don't pass through?
- Paste a photograph of your experimental setup here.
- Write the importance of kidney and the other excretory organs.

## 3. Advanced Research Analysis Table

Analyze the differences between natural kidney function and medical interventions:

Comparative Aspect	Biological Nephron	Artificial Kidney (Dialysis)
Filtration Principle	Pressure-driven (Glomerular)	Diffusion-driven (Concentration Gradient)
Active Transport	Uses ATP for glucose reabsorption	
Dialysing Fluid	Not Applicable (Uses Blood)	
Osmoregulation	Removes excess water automatically	
Hormonal Control	Uses ADH (Vasopressin)	
Waste Accuracy	100% efficient in healthy body	

## 4. The Science of Survival

Write the brief note on the following

- The excretory system is a masterpiece of biological engineering.
- How it maintains the balance of salts and fluids while keeping the blood pure.
- Proper hydration and avoiding excessive salt intake are key to protect these organs. Explain

## 5. Critical Thinking Questions (Conclusion)

- If the diameter of the afferent arteriole is decreased, how



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		<p>would it affect the rate of filtration in the Bowman's Capsule?</p> <ul style="list-style-type: none"><li>• Why is the reabsorption of water in the tubules dependent on the amount of excess water in the body?</li><li>• Excretion is often linked to the Circulatory system. If heart rate drops significantly, how does it impact kidney function?</li></ul> <p><b>6. Student Reflection</b></p> <p>How has this project changed your understanding of the importance of the Life Process 'Excretion'?</p> <p>Response: _____</p>
6.	Hindi	<p><b>ग्रीष्मकालीन अवकाश गृहकार्य के अन्तर्गत—</b></p> <ol style="list-style-type: none"><li>1. लेखन कार्य</li><li>2. व्याकरण एवं भाषा शोध</li><li>3. रचनात्मक कार्य भाग (3—देश भक्ति पर पोस्टर) ये तीनों प्रश्न व्याकरण रजिस्टर में कीजिए।</li><li>4. परियोजना कार्य मणिपुर — 'एक भारत श्रेष्ठ भारत'</li></ol> <p><b>नोट:</b></p> <ul style="list-style-type: none"><li>• परियोजना कार्य प्रैक्टिकल फाइल A4 साइज शीट पर स्वच्छ, सुन्दर एवं व्यवस्थित रूप में तैयार करें।</li><li>• कार्य में आवश्यक रूप से चित्र, तालिका, ग्राफ, मानचित्र, पोस्टर एवं रचनात्मक प्रस्तुतीकरण का प्रयोग करें।</li><li>• फाइल के प्रथम पृष्ठ पर नाम, कक्षा, रोल नंबर विषय एवं विषय— शिक्षिका का नाम अवश्य लिखें।</li></ul>

## ग्रीष्मकालीन अवकाश गृहकार्य

कक्षा - 10वीं | सत्र : 2026-27

“ सफलता का मार्ग निरंतर अभ्यास और रचनात्मकता से होकर गुजरता है। ”

### 1. लेखन कार्य

#### ★ स्वरचित कहानी :

‘परिवर्तन ही जीवन है’ या ‘सोशल मीडिया का मायाजाल’ विषय पर 250-300 शब्दों की एक मौलिक कहानी लिखें। कहानी में संवाद शैली का प्रयोग करें।



#### ★ पुस्तक समीक्षा :

किसी कालजयी रचना (मनु भंडारी की कोई रचना या अटल जी की कविताएँ) को पढ़ें। समीक्षा में निम्न बिंदु शामिल करें-

- कथावस्तु
- लेखक की भाषा-शैली
- वर्तमान संदर्भ में उस पुस्तक की प्रासंगिकता।

#### ★ अनुच्छेद लेखन :

‘ग्रीष्मकालीन अवकाश: अनुभवों की एक नई उड़ान’ (150 शब्द)।



### 2. व्याकरण एवं भाषा शोध



★ स्मरण एवं अभ्यास : अब तक कराए गए सभी पाठों (गद्य एवं पद्य) के प्रश्न-उत्तर याद करें।



★ वाच्य : समाचार पत्र से 10 वाक्य चुनें और उन्हें वाच्य के तीनों भेदों (कर्तृवाच्य, कर्मवाच्य, भाववाच्य) में बदलकर लिखें।



★ वाक्य भेद : रचना के आधार पर वाक्य (सरल, संयुक्त, मिश्र) के 15-15 उदाहरण पाठ्यपुस्तक से खोजकर लिखें।



★ अलंकार : उपमा, रूपक, उत्प्रेक्षा, अतिशयोक्ति और मानवीकरण अलंकार के 12-12 उदाहरण अपनी पाठ्यपुस्तक की कविताओं से छाँटकर लिखें।



★ संज्ञा : पाठ 1 और 2 से 20 संज्ञा शब्द छाँटें और उनके भेदों की एक रचनात्मक तालिका बनाएँ।



★ अनौपचारिक पत्र : अपने दादा-दादी को पत्र लिखकर अपनी बोर्ड परीक्षा की तैयारी और छुटियों की योजना के बारे में बताएँ।

### 3. रचनात्मक कार्य

★ चश्मा डिजाइन : गत्तें या पुराने तार की सहायता से एक ‘विटेंज’ (पुराने समय का) चश्मा बनाएँ।

★ साक्षात्कार : यदि आज ‘कैप्टन’ आपके सामने होता, तो आप उससे क्या 3 प्रश्न पूछते? उन प्रश्नों और उनके संभावित उत्तरों को एक संवाद के रूप में लिखें।

★ देशभक्ति पर पोस्टर : ‘देशभक्ति केवल सरहद पर मर मिटना नहीं है’ - इस भाव को दर्शाते हुए एक सुंदर पोस्टर बनाएँ।



### 4. परियोजना कार्य

#### मणिपुर - ‘एक भारत श्रेष्ठ भारत’

एक विस्तृत और आकर्षक सचित्र फाइल तैयार करें जिसमें निम्नलिखित बिंदु हों -



★ परिचय : स्थापना दिवस, भौगोलिक स्थिति और पर्यावरण।



★ समाज : प्रमुख जातियाँ, भाषा और लिपि (मीतेई मायेक)।



★ संस्कृति : लोक नृत्य (मणिपुरी रासलीला), लोक कलाकार और प्रमुख त्योहार।



★ वीर गाथा : मणिपुर के क्रांतिकारी योद्धाओं का इतिहास (जैसे- टिकेंद्रजीत सिंह)।



★ रहन-सहन : पारंपरिक वेशभूषा (फनेक), खान-पान और वहाँ की लोककलाएँ।



### ग्रीष्मकालीन अवकाश के आवश्यक निर्देश



#### प्रमाणिकता :

सारा कार्य स्वयं की लिखावट में होना चाहिए। (नकल करना वर्जित है)।



#### प्रस्तुतिकरण :

गृहकार्य के लिए एक ‘क्रिएटिव फोल्डर’ बनाएँ। मानचित्रों, चित्रों और ग्राफ का प्रयोग कार्य को प्रभावशाली बनाता है।



#### समय प्रबंधन :

प्रतिदिन सुबह का 1 घंटा व्याकरण और लेखन को दें। शाम को रचनात्मक कार्य (प्रोजेक्ट) करें।



#### पर्यावरण सुरक्षा :

प्रोजेक्ट में बेकार वस्तुओं का उपयोग करें। प्लास्टिक का कम से कम प्रयोग करें।



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7.	Computer	<p>Prepare a project on the topic:-</p> <p><b>'Applications of Internet of things in current scenario'</b></p> <p><b>Project should contain :</b></p> <ol style="list-style-type: none"><li><b>1- Cover Page</b></li><li><b>2- Certificate of Completion</b></li><li><b>3- Index</b></li><li><b>4- Acknowledgement</b></li><li><b>5- Content [10-12 pages]</b></li><li><b>6- Conclusion</b></li><li><b>7- Bibliography</b></li></ol>
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