



CKC ACADEMY

JHANSI

Holiday Homework 2025-2026

Class-X

Sr. No.	Subject Name	Homework
1.	English	<p>A. Reading and Analysis:</p> <ol style="list-style-type: none">1. Novel Study: Read a prescribed novel (like “The Diary of a Young Girl” by Anne Frank) and write a character sketch of the protagonist.2. Book Review: Choose a story from the supplementary reader and write a critical review, focusing on the theme, characters, and your personal reflections.3. <p>B. Creative Writing:</p> <ol style="list-style-type: none">1. Story Continuation: Pick an incomplete story from the NCERT book and write an alternate ending.2. Poem Composition: Compose a poem inspired by any chapter or theme from the syllabus. <p>C. Language Skills:</p> <ol style="list-style-type: none">1. Letter Writing: Write one formal and one informal letter based on situations from the textbook (e.g., a letter to the editor about environmental issues discussed in the chapters).2. Speech Writing: Prepare a speech on the theme of ‘Youth and Responsibility’ or ‘Social Media and Youth.’ <p>D. Research-Based Assignments:</p> <ol style="list-style-type: none">1. Social Issues Project: Research a social issue discussed in the textbook and present your findings in a report.2. Comparative Analysis: Compare a chapter from the textbook with a real-life incident or historical event. <p>NOTE- All work has to be done in English Registers.</p>
2.	Hindi	<p>1. एक पोर्टफोलियो बनाइए (मिलकी फाइल में बनाना है)</p> <p>व्याकरण रजिस्टर में यह कार्य कीजिए (2,3,4)</p> <ol style="list-style-type: none">2. गैंगटौक शहर के ऊपर एक प्रोजेक्ट तैयार कीजिए3. दोहा और चौपाई के बारे में लिखिए। किन्हीं दो दोहे और दो चौपाई को अर्थ सहित लिखिए।4. विक्रम संवत् कलेंडर के अनुसार महीनों की सूची तैयार कीजिए।



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3.	Physics	<p>Project 1- Draw ray diagrams for formation of images in</p> <ol style="list-style-type: none"> 1. Concave and Convex Mirrors 2. Concave and Convex Lenses <p>Project 2- Write 5 Uses of</p> <ol style="list-style-type: none"> 1. Concave and Convex Mirrors 2. Concave and Convex Lenses <p>Project 3- Write the properties of Plane Mirrors and show image formation of an object in case of Plane Mirror. Write various uses of plane mirrors.</p>
4.	Maths	Do the given Activity in Maths lab manual Class 10th activity: 2, 3, 4, 5, 6, 7, 8, 10
5.	Social Science	<p>Project :-</p> <p>Make a project of 15-20 pages on :</p> <p style="text-align: center;">Consumer Awareness</p> <p style="text-align: center;">OR</p> <p style="text-align: center;">Social Issue</p> <p style="text-align: center;">OR</p> <p style="text-align: center;">Sustainable Development</p> <p>NOTE:-</p> <ol style="list-style-type: none"> 1) Prepare all the chapters that are taught till date. 2) Do all 'Let's work these out' boxes of Economics Chapter-1 and 2 in the books.
6.	Computer	<p>Prepare a project file of 10 pages minimum, on the topic "Artificial intelligence and its applications.</p> <ol style="list-style-type: none"> 1. Cover Page 2. Acknowledgement 3. Preface 4. Certificate of completion 5. Content (Index) 6. Project work (10 pages) 7. Bibliography 8. Conclusion



7. BIOLOGY

Science Project: Effect of Light Type on the Rate of Photosynthesis

Objective:

To observe and compare the rate of photosynthesis in aquatic plants under different types of light (natural sunlight, LED light, fluorescent light).

Materials Required:

- Beakers/test tubes
- Aquatic plant (Hydrilla or Elodea)
- Water with dissolved CO₂
- Funnel and test tube setup
- Light sources (sunlight, LED, fluorescent)
- Stopwatch
- Thermometer
- Ruler

Procedure:

1. Place equal lengths of Hydrilla in beakers filled with water.
2. Set up a funnel and inverted test tube over each.
3. Place each setup under a different light source at the same distance.
4. Count the oxygen bubbles released in 5 minutes.
5. Repeat the experiment 3 times for each light type to ensure accuracy.

Data Collection Table:

Light Source	Trial 1 (bubbles/min)	Trial 2 (bubbles/min)	Trial 3 (bubbles/min)	Average Rate (bubbles/min)



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Based on the following answer the questions given below

- Which light source produced the highest rate of photosynthesis?
- What could be the reason behind the variation in results?
- How does this experiment relate to real-world applications (e.g., greenhouse farming)?

Science Project 2 : Investigating the Effect of Exercise on Pulse Rate and Breathing Rate

Science Project: Effect of Exercise on Pulse and Breathing Rate

Objective:

To investigate how physical activity affects the pulse rate and breathing rate in humans.

Materials Required:

- Stopwatch
- Notebook and pen
- Volunteers (at least 3)
- Comfortable space for light to intense physical activity

Procedure:

1. Measure and record the resting pulse and breathing rates of each volunteer.
2. Have the volunteers perform a physical activity (e.g., jogging or jumping jacks) for 1 minute.
3. Immediately after exercise, measure and record their pulse and breathing rates.
4. Repeat the process after a few minutes of rest.
5. Compare the data and analyze the impact of exercise.

Observation Table:

Name	Resting Pulse	Pulse After Exercise	Resting Breathing	Breathing After Exercise	Recovery Time (m)

Based on the following answer the questions given below

- Which volunteer had the highest increase in pulse or breathing rate?
- How long did it take for each person to return to their normal resting values?
- What might influence how quickly someone recovers after exercise?