

# **WINTER HOLIDAY HOMEWORK - 2023-24**

## **CLASS – IX**

### **English –**

Learning outcome-

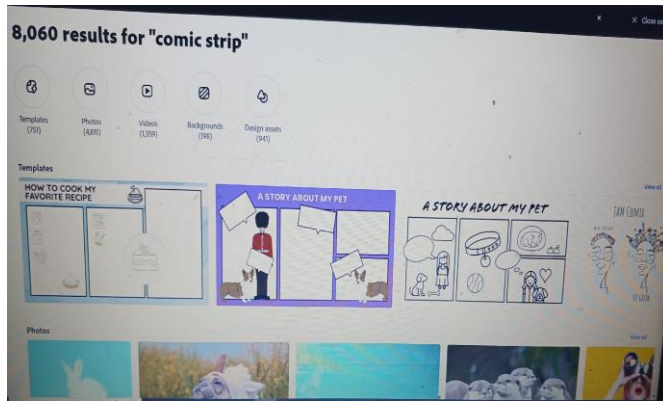
- Developing Creativity
- Critical Thinking
- Communication skills
- Collaborative learning
- Vocabulary Enhancement

#### **Ques 1. Poster Making**

Prepare a poster based on the story 'The House is not a home' Book- Moments, NCERT.

Use any template on <https://new.adobe.express.com/>

Example:



### **A House is not a Home**



(For Reference)

#### **Ques 2. Enactment**

As per the allotted groups, prepare the enactment on the following: (to be conducted in January 2024)

IX - If I were you <https://ncert.nic.in/ncerts//iebe111.pdf>

X- Sermon at Benares <https://ncert.nic.in/textbook/pdf/jeff110.pdf>

**Ques 3. Complete December Month Assignment in Literature Notebooks.**

**हिंदी -**

शिक्षण-अधिगम-उद्देश्य :-

- लेखन-सृजनात्मकता तथा भावाभिव्यक्ति का पल्लवन।
- लोक-सांस्कृतिक जागरूकता।
- मनन-चिंतन का विकास।
- मौलिकता में अभिवृद्धि।

1- 'कल्लू कुम्हार की उनाकोटी' पाठ के आधार पर त्रिपुरा राज्य की भौगोलिक, सांस्कृतिक एवं पौराणिक विशेषताएँ दर्शाते हुए एक विवरणिका (Brochure) तैयार कीजिए। इसके लिए छात्र <https://new.express.adobe.com/> सॉफ्टवेयर का प्रयोग करेंगे और Google Classroom पर अपलोड करेंगे।

**Note: Login using official GSuit id only**



2 - 'सरस्वती पब्लिकेशन' की 'अमृत संचय' से 'सुभद्राकुमारी चौहान की कहानियाँ' की कहानियों का पठन-पाठन।

3- दिसंबर माह की कार्यपत्रिका अपनी व्याकरण-पुस्तिका में पूर्ण करें।

**संस्कृत शीतावकाश कार्य-**

1- 'पाठ-भारतेनास्ति में जीवनम्' पर आधारित गतिविधि- नदियों व पर्वतों की भौगोलिक स्थितियों का 4-5 वाक्यों में संस्कृत में वर्णन करते हुए एक आकर्षक पोस्टर (ADOBE SOFTWARE का प्रयोग कर) बनाएँ।



2- सभी छात्र संस्कृत का ई-पोर्टफोलियो पूर्ण करें जिसके अंतर्गत संस्कृत विषय की सभी कार्यपत्रिकाएँ, ई-प्रमाणपत्र (अंतर्विद्यालयीय, अंतर्सदनीय प्रमाण पत्र, अतिरिक्त प्रमाण पत्र, विशेष दिवस) तथा संस्कृत भाषा के प्रति अपने योगदान को दर्शाए।

3- **धातुरूप** - परस्मैपदी – अस्, कृ, गम्, नी (पाँचों लकार);  
आत्मनेपदी- सेव्, लभ्, रुच् (लट्, लृट्)

**शब्दरूप** - मुनि, साधु, अस्मद्, युष्मद्, ( तत् , किम् - तीनों लिंगों में)

**प्रतिदर्श प्रश्नपत्र उत्तर-पुस्तिका में हल करें ।**

**(सभी कार्य अभ्यास उत्तर-पुस्तिका में लिखें व याद करें ।)**

**शिक्षण अधिगम -**

संस्कृत लेखन कौशल का विकास व शब्द भंडार में वृद्धि ।  
भाषा संबंधी व्याकरणिक ज्ञान ।

**French**



## Movie Review:

Students to watch a French movie with subtitles and record a review in French. Students to discuss the plot, characters, and their overall impression of the film.

## CHEMISTRY



**OBJECTIVE:** To understand the chemical components of air pollution and their impact on the environment by collecting the data (AQI) from the newspaper for consecutive five days.

### STEPS: Research on Common Air Pollutants:

- Identify and research common air pollutants such as carbon monoxide (CO), sulphur dioxide (SO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>), particulate matter (PM), and ozone (O<sub>3</sub>).
- Explain their effects on human health and the environment. Construct an appealing presentation summarizing the key findings from newspaper.

### Submission:

Submit the presentation as a written report in registers

*This homework assignment is designed to integrate the study of atoms and molecules with real-world applications, fostering an understanding of the impact of human activities on air quality.*

## BIOLOGY

**Objective:** The objective of Home work activity is to explore and evaluate various sustainable methods that can be implemented to improve food resources.

### Introduction:

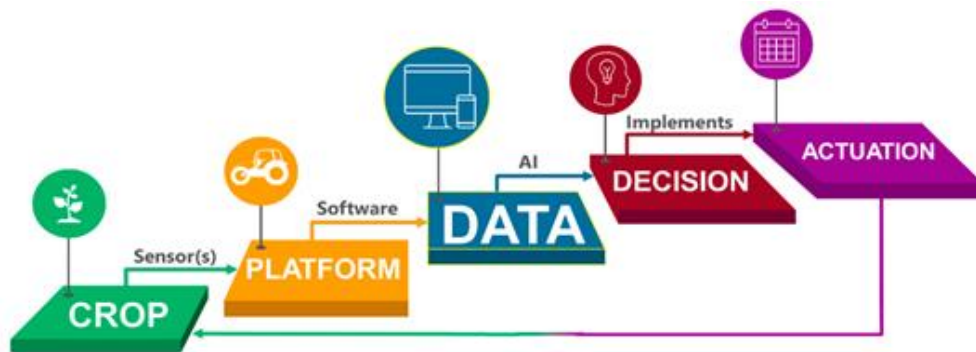
Imagine you are setting up a crop farm what would you include to Enhance production in an organic manner

- Organic farming techniques
- Hydroponics and vertical farming
- Crop rotation and intercropping
- Integrated pest management
- Efficient irrigation systems
- Composting and waste management

- · Prepare your entries for an Inter school competition as a poster using Adobe Express.



- Analyse and compare the advantages, disadvantages, and feasibility of each method in terms of improving food resources in the form of bar graphs or histogram.



## PHYSICS



**Objective: to explore and understand the nature of sound and types of sound**

**Chose any one activity from the given topics**

**a) Experiment:**

Conduct a simple experiment to demonstrate the concept of sound waves. You can use a tuning fork, a string, or other materials. Document your experiment, along with photographs and present your findings with the help of a suitable PPT.

**OR**

**b) "Beyond Audible: Exploring Ultrasound, Infrasound, and Supersonic Phenomena"**



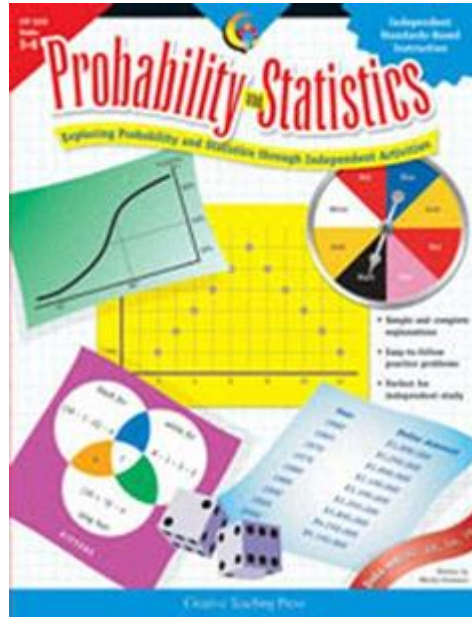


Q 3 Make a flyer using Adobe express with pictures about indigenous people (tribes) from Australia,Indonesia and South Africa.

link for adobe express(use your official gsuit id to login): <https://new.express.adobe.com/>

## MATHEMATICS

Form a concise and informative two to three pages on topic Probability with relevant picture e.g. Sample space of two or three Coins /one or two Dice / Playing cards/ Maths Book cover of Class IX with Adobe Express. <https://new.express.adobe.com/>



Submit it in your Google Classroom.

Solve NCERT examples of Quadrilateral, Surface area and volume,Polynomials in your maths notebook.

## ARTIFICIAL INTELLIGENCE

Use Adobe Firefly (text to image) ([Adobe Firefly](#)) to create images of gadgets in a futuristic AI laboratory. Weave these images to create a webpage on Adobe Express showing the AI Lab setup with the purpose of the gadgets created by your imagination and AI. Explain how these tools/gadgets will help make the class more interactive and immersive in your webpage.

## FINANCIAL MARKET MANAGEMENT (FMM)

### CASE STUDY

Your friend Mr. Ajay wishes to throw a party for his friends on his Birthday which falls six months later. He has saved Rs.500 from his pocket money every month, so that he can celebrate his birthday grandly with Rs.3000, Have a look at the Budget to achieve his goal.

Budget for the party:

Cake	700 (Cake bought at Hot Breads)
Snacks	650 (Lays, Chips, Bingo, Kurkure, etc)
Cool drinks	400 (1Ltr,2Ltr Pepsi, Coke,7UP, Frooti, etc)
Decorations	500 (Decorations bought + Self made)
Arrangements for games & Prices	250
Return gifts	600
Total	<u>3100</u>

He wishes to buy a video game for himself, if he can save some money.

Ajay come to you for help to save some money for to purchase video game you lend your expertise advising him to analyze his plan.

Create another Economical plan. Redraft the Budget for Ajay's Birthday Party.

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### IT

**Prepare a Digital presentation on GREEN ECONOMY. Points to be covered in presentation.**

- Insert a table on six pillars of Green Economy .
- Explain the principle of Green economy.
- What is Green growth?
- UN environment programme
- **Please Note-**
- **Holiday homework will be considered for Multiple Assessment and has a weightage of 10 marks in each subject.**
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- **SCHEDULE FOR SUBMISSION OF HOLIDAY HOMEWORK**
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SUBJECTS	DATE OF SUBMISSION
Sanskrit/ French/	9 January 2023
Hindi and Mathematics	10 January 2023
English and Physics	11 January 2023
Social Science/FMM/AI/IT	12 January 2023
Chemistry/Biology	15 January 2023