

ARMY PUBLIC SCHOOL JORHAT

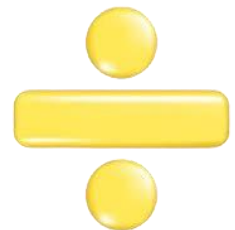


**HOLIDAY ACTIVITIES / PROJECT**  
**CLASS IX**

ARMY PUBLIC SCHOOL JORHAT

**SUBJECT: MATHS**

1. Make working model of any 5 algebraic identities using ply board and color it properly
2. Complete R.D Sharma exercises of topics rationalisation, exponent of real numbers and factorisation of polynomials.



## **SUBJECT: SCIENCE**

### **Chemistry**

Q1. Draw a diagram to show the arrangement of particles in a solid, a liquid and a gas. What can be interpreted from the distance between the constituent particles?

Q2. Draw a flow diagram showing the inter-particle conversion of states of matter. Label the diagram properly.

Q3. Read the chapter 2: Is matter around us pure?

Q4. Learn the periodic table elements (Name and Symbol) from atomic number 1 (Hydrogen) to atomic number 20 (Calcium).

Q5. Prepare a MS PowerPoint presentation on the topic /chapter given below.

**OR**

Prepare 10 questions with answers using multiple choice questions from the topic/chapter given below.

### **Topics/chapter (Select any one)**

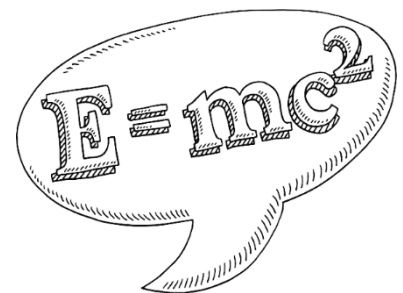
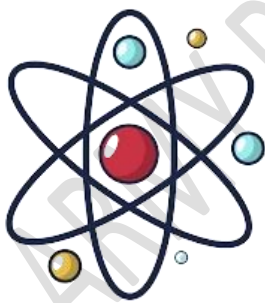
1. Matter in our surroundings.
2. Is matter around us pure?

### **Physics**

1. Derive the equations of motion by graphical method.
2. Derive the equations of motion by calculus method
3. Write at least 10 example of uniform circular motion
4. Define different terms related to motion along with the mathematical expression.

### **Biology**

1. Labelled diagrams of different plant and animal tissues to be drawn in the Biology note book.
2. Make a project on food resource management in India with a note on reduction of modern food waste and about the traditional ways that food can be preserved



## **SUBJECT: SOCIAL STUDIES**

### **SUB: HISTORY AND GEOGRAPHY.**

CHAPTER:"FOREST SOCIETY AND COLONIALISM"

TOPIC 1. "Colonialism and Forest Society"

Discuss the impact of colonialism on forest societies and explore the concept of forest as a resource in colonialism.

Research and present a PPT on the colonial forest policy and its impact on forest societies.

TOPIC 2."Rebellion in the Forest"

Analyse the causes and effects of forest-based rebellions in history

Watch the following film and discuss about forest tribes of your state and the exploitations they face. Present a PPT of your learnings.

[https://www.youtube.com/watch?v=N6SR0REa\\_YA](https://www.youtube.com/watch?v=N6SR0REa_YA)

### **SUB: POLITICAL SCIENCE**

CHAPTER 1.What is Democracy? Why Democracy

Q1: Compare the Political Systems of India and China.

Give your Opinion about both the forms of Governments and try to point out there merits and demerits?

Q2: Elaborate the topics mentioned below:

- a. Rule of Law and respect for rights.
- b. One person, One Vote, One Value.
- c. Free and fair Electoral Competition.

**SUB: ECONOMICS**

In a chart broadly prepare the various aggregates of national income.



**SUBJECT: HINDI**

Q1) निम्नलिखित शब्दों के पर्यायवाची शब्द लिखिए:-

- 1) ईमान 2) बदन 3) अंदाज़ा 4) बेचैनी 5) गम 6) दर्जा 7) ज़मीन
- 8) ज़माना 9) बरकत

Q2) पाठ के संदर्भ के अनुसार निम्नलिखित वाक्यांशों की व्याख्या कीजिए

- 1) बंद दरवाजे खोल देना 2) निर्वाह करना 3) भूख से बिलबिलाना 4) कोई चारा न होना 5) शोक से द्रवित हो जाना

Q3) चित्रकूट किस राज्य में स्थित है, जानकारी प्राप्त कीजिए ।

Q4) दो मित्रों के बीच पर्यावरण संरक्षण पर संवाद लिखिए ।



## **SUBJECT: ENGLISH**

**Project Title: "Andhra Pradesh: A Canvas of Culture and Literature"**

**Objective:** Explore the rich cultural and literary heritage of Andhra Pradesh through an art-integrated approach, connecting English language skills with creative expression.

**DO ANY FIVE**

**Components:**

### **1. Literary Map of Andhra Pradesh:**

Create a mimages AP highlighting important literary landmarks, authors, and their notable works. Accompany each point with a short description.



## **2. Biographical Sketch of AP Author:**

**Choose a renowned author from AP. Write a biographical sketch and illustrate it with relevant images.**

## **3. Visual Poetry:**

Select a poem by a AP-based poet or one inspired by AP s culture. Create a visual representation of the poem using artistic elements, colors, and symbols.

## **4. AP Folk Art:**

Explore traditional AP folk art forms. Create your own piece inspired by these styles, depicting a theme from a AP related story or poem.

## **5. Storyboard Illustration:**

Choose a short story or excerpt from a AP-related literary work. Create a storyboard with illustrations and brief captions to represent key scenes or moments.

## **6. AP Dialects Illustration:**

Explore the unique dialects and slang used in AP. Create a visual representation showcasing common phrases or expressions, along with their English translations.

### **7. Fictional Letter Writing:**

Imagine you are a character from a AP-related novel or story. Write a letter to a friend or family member from the perspective of that character, incorporating local flavor and cultural nuances.

### **8. Cultural Collage:**

Develop a collage that represents the diverse cultural elements of AP, including festivals, traditions, and historical landmarks. Accompany the collage with short descriptions.

### **9. Play Script Writing:**

Adapt a scene from a AP-related play or novel into a script format. Include stage directions and dialogue, encouraging creativity in interpretation.

### **10. Performance Art Piece:**

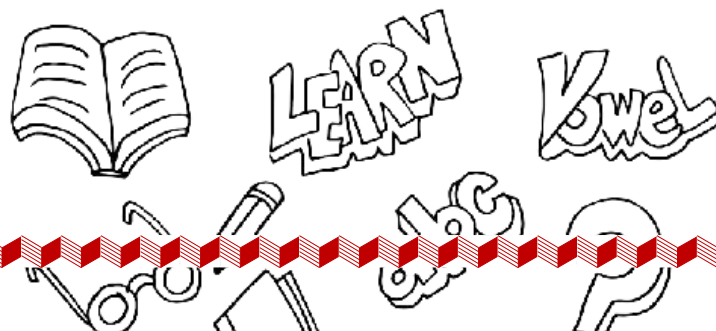
Create a performance art piece (e.g., a short skit, dance, or spoken word) inspired by a AP-related literary work. Present it to your classmates as a creative interpretation.

**This integrated approach combines language skills with artistic expression, providing a holistic understanding of AP's cultural and literary heritage.**

**NOTE: Students can showcase their projects through presentations or in a file.**

### English

- ◆ Read a book and write a review on it
- ◆ Revise the work done in class
- ◆ Revise Reported Speech and Tenses



**SUBJECT: COMPUTER**

**TOPIC: IT – ITeS INDUSTRY**

1) Create a power point on categories of ITes Industry.



**SUBJECT: SANSKRIT**

**ग्रीष्मकालीन-अवकाशकार्यम्**

1. वर्णानाम् उच्चारणस्थानानि चित्रमाध्यमेन प्रदर्शयत -
2. स्वरसन्धेः चित्रं (चार्ट) निर्मायत -
3. समयस्य चित्रं (चार्ट) निर्मायत -

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