



# Delhi Public School JHANSI

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## WORK PLAN FOR THE MONTH OF DECEMBER- 2021 Class-X

**Dear Parents,**

In this month, your child will be able to learn:

### **ENGLISH:**

#### **Reading**

Discursive and case based factual passage.

#### **Writing**

Formal and Analytical paragraph.

#### **Grammar**

Tenses, Subject verb concord and Reported speech.

#### **Literature**

Lesson 3 Glimpses of India

Lesson 1 Making of a Scientist

#### **Learning objectives:**

Guiding and encouraging the children to follow Human values.

### **HINDI:**

#### **क्षितिज -**

गद्य- पाठ -3 लखनवी अंदाज

लेखन-पत्र लेखन

#### **व्यवहारिक ज्ञान-**

विद्यार्थी के लेखन कौशल वृद्धि करना

बाह्य आडम्बर को दूर करने के लिए प्रेरित करना

### **MATHEMATICS:**

Chapter: Quadratic equations

#### **Learning Objectives:**

- Square Roots and Completing the Square
- Solve quadratic equations by using the Square Root Property.
- Identify and complete perfect square trinomials.
- Solve quadratic equations by Completing the Square.



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Chapter: The Quadratic Formula

**Learning Objectives:**

- Write a quadratic equation in standard form and identify the values of a, b, and c in a standard form quadratic equation.
- Use the quadratic formula to find all real solutions.
- Use the quadratic formula to find all complex solutions.
- Compute the discriminant and state the number and type of solutions.
- Solve application problems requiring the use of the Quadratic Formula.

Chapter: Arithmetic progression

**Learning Objectives:**

- Identify the common difference of an arithmetic sequence.
- Find a formula for the general term of an arithmetic sequence.
- Calculate the nth partial sum of an arithmetic sequence.

**SCIENCE:**

**Physics:**

Chapter: 12: Electricity

Chapter: 13: Magnetic Effect Of Current

**Learning Objectives:**

- Key concepts to be mastered: Ohm's law; Resistance, Resistivity, Factors on which the resistance of a conductor depends. Series combination of resistors, parallel combination of resistors and its applications in daily life. Heating effect of electric current and its applications in daily life. Electric power, Interrelation between P, V, I and R.
- Key concepts to be mastered: Magnetic field, field lines, field due to a current carrying conductor, field due to current carrying coil or solenoid; Force on current carrying conductor, Fleming's Left Hand Rule, Electric Motor, Electromagnetic induction. Induced potential difference, Induced current. Fleming's Right Hand Rule

**Chemistry**

Chapter: 4: Carbon and its Compounds

Chapter: 5: Periodic Classification Of Elements

**Learning Objectives:**

- Covalent bonding in carbon compounds. Versatile nature of carbon. Homologous series.
- Need for classification, early attempts at classification of elements (Dobereiner's Triads, Newland's Law of Octaves, Mendeleev's Periodic Table), Modern periodic



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table, gradation in properties, valency, atomic number, metallic and non-metallic properties.

## **Biology**

Unit-2 World of living

Chapter-9 Heredity and Evolution

### **Learning objectives**

- Students will learn about the Mendel's law and its application.

## **SOCIAL STUDIES**

### **Economics:**

Chapter-4 Globalisation and Indian economy

### **Learning Objectives:**

- Production across countries
- Multinational corporations
- Interlinking production across countries
- Foreign trade and integration of markets
- What is globalisation
- Factors that have enabled globalisation
- Liberalisation of foreign trade and foreign investment policy
- Removing barrier and restrictions by the government
- World Trade organisation
- Impact of globalisation on India
- Steps to attract foreign investment
- Struggle for a fair globalisation.

## **Geography**

Chapter- 6 Manufacturing Industries

### **Learning objectives**

- Bring out the importance of Industries in the national economy as well as understand the regional disparities which resulted due to concentration of Industries in some areas.
- Discuss the need for a planned Industrial development and debate over the role of government towards sustainable development.



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## **COMPUTER**

Chapter 2: Internet services

### **Learning objectives:**

- Students will learn about the service provided by internet and other services of internet



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## ACTIVITIES OF THE MONTH

### English Poem

#### The Ball Poem

What is the boy now, who has lost his ball,  
What, what is he to do? I saw it go  
Merrily bouncing, down the street, and then  
Merrily over — there it is in the water!

No use to say 'O there are other balls':  
An ultimate shaking grief fixes the boy  
As he stands rigid, trembling, staring down  
All his young days into the harbour where  
His ball went. I would not intrude on him;  
A dime, another ball, is worthless. Now  
He senses first responsibility

In a world of possessions. People will take  
Balls, balls will be lost always, little boy.  
And no one buys a ball back. Money is external.



He is learning, well behind his desperate eyes,  
The epistemology of loss, how to stand up  
Knowing what every man must one day know  
And most know many days, how to stand up.



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दोहा

(1)

तिनका कबहुँ ना निन्दिये, जो पाँवन तर होय,

कबहुँ उड़ी आँखिन पड़े, तो पीर घनेरी होय।

**अर्थ :-** कबीर कहते हैं कि एक छोटे से तिनके की भी कभी निंदा न करो जो तुम्हारे पांवों के नीचे दब जाता है। यदि कभी वह तिनका उड़कर आँख में आ गिरे तो कितनी गहरी पीड़ा होती है

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(2)

जब मैं था तब हरी नहीं, अब हरी है मैं नाही ।

सब अँधियारा मिट गया, दीपक देखा माही ॥

**अर्थ :-** जब मैं अपने अहंकार में डूबा था - तब प्रभु को न देख पाता था - लेकिन जब गुरु ने ज्ञान का दीपक मेरे भीतर प्रकाशित किया तब अज्ञान का सब अन्धकार मिट गया - ज्ञान की ज्योति से अहंकार जाता रहा और ज्ञान के आलोक में प्रभु को पाया।



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## संस्कृत श्लोक

(1)

विद्या मित्रं प्रवासेषु, भार्या मित्रं गृहेषु च।

व्याधितस्यौषधं मित्रं, धर्मो मित्रं मृतस्य च॥

अर्थ — विदेश में ज्ञान, घर में अच्छे स्वभाव और गुणस्वरूप पत्नी, औषध रोगी का तथा धर्म मृतक का सबसे बड़ा मित्र होता है।

(2)

अभिवादनशीलस्य नित्यं वृद्धोपसेविनः।

चत्वारि तस्य वर्धन्ते आयुर्विद्या यशोबलं॥

अर्थ — बड़ों का अभिवादन करने वाले मनुष्य की और नित्य वृद्धों की सेवा करने वाले मनुष्य की आयु, विद्या, यश और बल ये हमेशा बढ़ती रहती है।

Thank you  
Mrs. Reshma Vij  
Class-X

