

## English

Day 1: Reading Comprehension:

Read "This is Jody's Fawn" and write a summary.

Skills: Summarization and comprehension.

Day 2: Grammar Practice:

Revise Tenses (Present Perfect, Past Perfect) from your textbook and make a chart.

Competency: Tense accuracy in writing.

Day 3: Creative Writing:

Write a short story beginning with "I woke up and everything had changed..."

Skills: Imagination and narrative development.

Day 4: Vocabulary Building:

List 10 new words from your favourite chapter and write their meanings.

Skills: Vocabulary enrichment.

Day 5: Grammar Practice:

Complete exercises of "This is Jody's Fawn"

Day 6: Article Writing:

Write an article on "The importance of spending time with family."

Skills: Article structure and thought development.

Day 7: Reading Comprehension:

Choose a newspaper article and write what do you learn from it.

Competency: Critical thinking.

Day 8: Poetry Practice: Read any poem from your textbook and write its central idea

Skills: Poetic analysis.

Day 9: Speaking Activity: Record a 2 minute video discussing your autumn break experience.

Skills: Fluency, confidence in speaking.

## HINDI

प्रश्न 1. 'पवपि के समय सच्ी लमत्र की पहिन होती है।' उपरोक्त कहावत के अर्थण को िरतार्थण करते हुए सच्ी लमत्र का आपके जीवन में क्या महत्व है? इस पर 150 शब्दों में अपने पविर ललखें। सच्ी लमत्र से संबंघत कुछ दोहे एवं साखखयाँ चार्ण पर ललखे या पीपीर्ी बनाएं।

प्रश्न 2. ननम्रललखखत पवषय पर ननबंध ललखखए :-

1. जीवन में त्योहारों का महत्व।

2. स्वच्छता का जीवन में महत्व

**पत्र :-**

1. प्रधानाचार्य जी को छात्रवृत्ति प्राप्त करने हेतु पत्र लिखें ।

2. छोटे भाई को सदाचार के बारे में बताते हुए पत्र लिखें ।

**प्रश्न 3.** अभी तक पढ़ाए गए पाठों की लक्ष्यार्थी अधिगम डायरी बनाएं ।

**प्रश्न 4.** 10 MDP पूर्य करें।

## **SCIENCE**

Autumn break holiday homework

Mindmaps of 2<sup>nd</sup> and 3<sup>rd</sup> chapter

Make electric circuits 3-D models

Make 3-D project on any topic of science

RSBVP PROJECT

READ NEXT 2 CHAPTERS AND PREPARE SHORT HANDS

PREPARE SUGAR BOARD IN 5 MEMBERS GROUP

## **SST**

Class 8:

1. Prepare model on parliament of India

2. collect the pictures of the colonial era.

3. write about Marathas.

## **Mathematics**

### **Section A: Practice Work**

1 Squares & Square Roots: Find the square of 23, 35, 99. Find the square root of 441, 784, 1369.

Find the least number that must be added to 525 to make it a perfect square.

2 Cubes & Cube Roots: Find the cube of 9, 12, 15. Find the cube root of 1728, 3375, 8000.

Verify  $(a +$

$b)^3 = a^3 + b^3 + 3ab(a + b)$  for  $a = 2$ ,  $b = 3$ .

3 Power Play (Exponents & Powers): Simplify (i)  $2^5 \times 2^3$ , (ii)  $3^7 \div 3^4$ , (iii)  $(5^2)^3$ . Write scientific

notation of (i) 123400000, (ii) 0.00057.

### **F Section B: Activities**

1 Squares Around You: Find 5 real-life objects shaped like a square. Write their area if side = 10 cm,

12 cm, 15 cm, etc.

2 Cube Root by Prime Factorisation: Show step-by-step prime factorisation method to find cube root

of 3375.

3 Exponent Chart: Make a colourful chart of Laws of Exponents with examples.

### **F Section C: Mental Maths**

1 Square of 25 = ?

- 2 Cube of 18 = ?
- 3 Simplify:  $2^4 + 3^3$
- 4 Cube root of 27000 = ?
- 5 Square root of 1225 = ?

Submission Date: After vacation

-n Note: Neatness, creativity, and correct working steps will be rewarded.

Project work

**Collect at least 5 examples of very large numbers**  
(like population of India, distance between planets, area of a country, etc.)  
**and 5 examples of very small numbers**  
(like size of a cell, thickness of a hair, wavelength of light, etc.)  
from newspapers, magazines, or the internet. Write these numbers  
in the form of exponents using the rules of Power Play (exponents and powers).  
Also express them in standard form (scientific notation) and present your findings  
in a neat project file."

## **ARTIFICIAL INTELLIGENCE**

### **Part A: AI Project Cycle**

#### **1. Identify a Problem:**

Look around in your school, home, or society. Write down one problem that could be solved using AI.

Example: Wasting electricity when lights/fans are left on.

#### **2. Data Collection:**

List what kind of data you would need to solve this problem.

Example: Number of hours lights remain on, rooms where lights are left on, etc.

#### **3. Data Exploration:**

Make a table in MS Excel showing sample data you would collect (at least 10 rows).

Use simple formatting (bold headers, color, borders).

#### **4. Model Building (Idea Stage):**

Explain in MS Word (6–7 lines) how an AI system could use the data to give solutions.

Example: A smart system that turns off lights when no one is in the room.

#### **5. Evaluation:**

Write in notebook: "How will you check if your AI solution is working or not?" (3–4 lines).

### **Part B: Ethics & Moral Values in AI**

1. Answer the following in your notebook:

1. What do you understand by AI Ethics?

2. Why should AI be fair and unbiased? Give one example.

3. Write any 3 moral values that are important for AI users.

4. Do you think AI should always replace human jobs? Why/Why not?

### **Part C: Reflection Task**

Think and write (4–5 lines each):

1. If you design an AI robot, how will you make sure it follows moral values?

2. What dangers can come if AI is used without ethics?