

English

Day 1: Reading Comprehension: Read a story from your NCERT textbook and summarize it in 150 words. Skills: Summarization, Understanding key ideas.

Day 2: Grammar Practice: Make a chart of Present Tense

Day 3: Creative Writing: Write a diary entry about your favourite day during the autumn break.

Skills: Writing coherently with proper grammar.

Day 4: Vocabulary Building: Choose 10 new words from the chapter "Neem Baba" and write their meaning.

Skills: Expanding vocabulary, word usage.

Day 5: Grammar Practice: Write the definition of nouns and pronoun using example and sentences and identify the difference between them

Competency: Identification and correct usage of nouns and pronouns.

Day 6: Story Writing:

Write a short story based on this prompt: "A mysterious letter arrives at your doorstep..."

Skills: Creative thinking, storytelling.

Day 7: Reading Comprehension:

Read a newspaper article or short story and write 3 things you liked and 2 things you didn't.

Competency: Critical thinking.

Day 8: Poetry Practice:

Read any poem from your textbook and write its central idea.

Skills: Understanding poetic concepts.

Day 9: Speaking Activity: Record a short video or audio (2-3 minutes) talking about how you spent your autumn break.

Skills: Public speaking, fluency.

HINDI

1. 'संस्कृत' शब्द का अर्थ क्या है? संस्कृत शब्द का अर्थ क्या है? संस्कृत शब्द का अर्थ क्या है?

2. "संस्कृत" शब्द का अर्थ क्या है? संस्कृत शब्द का अर्थ क्या है? संस्कृत शब्द का अर्थ क्या है?

3. संस्कृत शब्द का अर्थ क्या है? संस्कृत शब्द का अर्थ क्या है? संस्कृत शब्द का अर्थ क्या है?

4. संस्कृत शब्द का अर्थ क्या है? संस्कृत शब्द का अर्थ क्या है? संस्कृत शब्द का अर्थ क्या है?

5.i) MDP संस्कृत शब्द का अर्थ क्या है?

ii) संस्कृत शब्द का अर्थ क्या है? संस्कृत शब्द का अर्थ क्या है? संस्कृत शब्द का अर्थ क्या है?

SCIENCE

- **Keywords and Meanings:** Write down keywords and their meanings from the next two chapters of your science textbook.
- Make short hands of next two chapters after reading the whole chapter.
- **Flash Cards:** Create flashcards for the following topics:
 - o Balanced diet
 - o Temperature and its measurements
 - o Separation techniques
 - o Solar system
- **Science Chart:** Prepare a chart on any one science topic of your choice. The chart should be made using a light green chart paper with black boundaries.

AUTUMN BREAK HOMEWORK SST

Class 6

1. Make a project:

landforms

2. Compare Gujarat and Chhattisgarh bringing out their social, economic and cultural diversities.

3. write about grass root democracy in urban areas

MATHEMATICS

1. Patterns in Mathematics

a) Write the next three terms in each sequence:

i) 5, 8, 11, 14, ... **17, 20, 23**

ii) 2, 4, 8, 16, ... **32, 64, 128**

iii) 1, 1, 2, 3, 5, 8, ... **13, 21, 34**

b) In a 4×4 square of dots, the straight-line patterns are:

• 4 rows, 4 columns, 2 diagonals = **10 total straight lines.**

2. Lines & Angles

a) Definitions:

• Point: A location in space (e.g., dot A).

• Line Segment: A straight path with two endpoints (e.g., AB).

• Ray: A line that starts at one point and extends infinitely in one direction (e.g., AB→).

• Line: Extends infinitely in both directions (e.g., AB).

b) Draw and measure an angle of 65° with a protractor.

c) If one angle is 70° and another is 110°, they are **supplementary** (sum = 180°).

3. Number Play

a) 5,678 = **Five thousand six hundred seventy-eight**

Expanded form: 5000 + 600 + 70 + 8

b) Reverse of 3,507 = 7,053. Difference = **3,546**

c) Estimate: 4,987 + 2,364 + 7,829 ≈ 5,000 + 2,000 + 8,000 = **15,000**

4. Data Handling & Presentation

a) Favorite fruits among 40 students:

Fruit Students

Apple 12

Banana 8

Mango 15

Orange 5

Pictograph: One symbol = 2 students (not drawn here).

b) Least favorite fruit = **Orange (5)**. Mango chosen 7 more than Banana.

5. Prime Time / Factor & Multiple

- a) Prime numbers between 1 and 50:
2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47
b) $\text{HCF}(18, 24) = 6$, $\text{LCM}(18, 24) = 72$
c) HCF of 36, 48, 60 using prime factorization = 12

ARTIFICIAL INTELLIGENCE

Part A: Understanding AI

1. In your notebook, write short answers:
 1. What is Artificial Intelligence (AI)?
 2. Write 3 advantages of AI.
 3. Write 2 disadvantages/limitations of AI.
 4. Write the names of 3 devices at your home that use AI.

Part B: AI Around You

1. Make a chart or poster (on paper or MS Word) on the topic: "AI Around Us"
2. Paste or draw pictures of things where AI is used (like Alexa, Google Maps, Face Unlock, Chatbots, etc.). Write one sentence for each picture about how AI is used.