



ADARSH VIDYALAYA, MOWA  
HOLIDAY HOMEWORK (2025-2026)  
CLASS-IX

Let the warmth of summer awaken the fire within you—create, explore, dream, and grow. This holiday, let your talents bloom like never before.

Summer is not just a break from the classroom; it's a beautiful season of self-discovery. Whether it's painting a canvas, penning down thoughts, solving puzzles, or learning a new skill—every little effort adds to the masterpiece that is you.

So take this time to nurture your passions, challenge yourself, and come back stronger, brighter, and more confident. Remember, the journey of growth doesn't pause—it transforms.





### **General Note:**

1. All the assigned work will be assessed and graded.
2. All vacation Practice work need to be done in class work copy.
3. Assessment of reading will be done in every exam.
4. Parents are requested to:
  - Spend time & have meals together with your ward.
  - Motivate your ward to inculcate the habit of "READING HINDI & ENGLISH Literature (Newspaper, Comics etc.)"
  - Allow them to be independent (age wise) in their daily tasks like:
    - Arrange shelves
    - Washing their own plates
    - Watering plants & weeding Garden
    - Hang/fold clean clothes
    - Dust furniture
    - Do simple mending (hems, buttons, etc.)
    - Shop for groceries with list
    - Iron clothes etc.
  - Include your ward while preparing monthly budget.
  - Share your family history & your childhood memories with them





## **ENGLISH**

1. Read and make a pictorial project on the story 'In the Kingdom of Fools' depicting the characters, events, plot, settings in about 2-3 pages in your notebook.
2. Illustrate the poem, 'A Legend of the Northland', in the form of a comic strip. \*familiarise with the poem and pay attention to the characters, setting and key events .\*You can use different techniques such as shading, colouring and texturing to enhance the visual appeal.\* Present the comic strip neatly and creatively.\*Add a cover page or an introduction that provides context to the poem. Also add literary devices with one example from the poem.
3. Read the newspaper daily and pick out 5 words that you have learnt and make sentences of your own.
4. Write the rules of Reported Speech based on change of tenses, change of person, change of adverb of time and place.
5. Read the chapter 'The Last Leaf' and make the glossary in your note-book , also write the character sketch of 'Behrman'.

## **HINDI**

### **1- वाचन कार्य**

- (i) 'दो बैलों की कथा' पाठ पढ़ना तथा पाठ में प्रयुक्त कठिन शब्दों का अर्थ समझना ।  
पाठ में दिए गए प्रश्नों के उत्तर याद करना ।
- (ii) 'कबीर की सबद एवं साखी' पाठ में दिए गए काव्य पंक्तियों का सस्वर वाचन करना तथा प्रश्नोत्तर याद करना ।
- (iii) प्रतिदिन समाचार पत्र का वाचन करना ।

### **2. लेखन कार्य -**

- (i) वाक्य रचना के अंतर्गत अर्थ के आधार पर वाक्य का प्रवाह चित्र बनाया बनाइए ।
- (ii) अपने मनपसंद विषय पर एक सुलेख लिखिए ।
- (iii) समास किसे कहते हैं ? समास के प्रत्येक भेद को उदाहरण सहित परिभाषित करते हुए संबंधित चित्र के माध्यम से समझाइए ।
- (iii) 'उपसर्ग एवं प्रत्यय' को परिभाषित करते हुए 'प्रति, अन एवं 'बे ' उपसर्ग लगाकर दो-दो शब्द बनाइए एवं उसका वाक्य में प्रयोग कीजिए ।





### 3. रचनात्मक कार्य (क्रियाकलाप)

- (i) 'दो बैलों की कथा' पाठ की कहानी को कॉमिक्स (चित्रकथा) शैली में लिखिए।
- (ii) एक मौलिक कथा लिखिए जिसका अंत निम्नलिखित पंक्ति से हो - - - -  
मनुष्य की पहचान मानवीय गुणों के आधार पर होती है।

## SANSKRIT

### वाचनकार्यम्-

1. श्लोकद्वयम् अर्थैः साकम् स्मर्यतु।
2. प्रथमः पाठः पठतु।

### लेखनकार्यम्-

3. शब्दरूपाणि लिखत- (अस्मद्, भवत्, नदी)
4. धातुरूपाणि लिखत- ( कृ, पा, दृश् ) (पञ्चलकारः)
5. संख्या (1-100) संस्कृतेन लिखत।
6. **संस्कृत भाषया अनुवादं कुरुत-**

हमारे विद्यालय का नाम आदर्श विद्यालय मोवा है। विद्यालय में प्रारम्भिक से लेकर द्वादश कक्षा तक है। हमारे विद्यालय में 80 शिक्षक शिक्षिका हैं। विद्यालय का पुस्तकालय बहुत सुन्दर है। हमारी प्राचार्या महोदया सविता चतुर्वेदी हैं। हमारा विद्यालय सबसे अच्छा विद्यालय है।

### 7. **हिन्दीभाषया अनुवादं कुरुत-**

अस्माकं देशस्य नाम भारतवर्षः। भारतवर्षः 1947 तमे वर्षे स्वतन्त्रः जातः। स्वतन्त्रता प्राप्त्यर्थं बहवः देशभक्त्याः प्राणत्यागं कृतवन्तः। देशभक्तिः सर्वासु भक्तिषु श्रेष्ठा कथ्यते। भारतवर्षः अस्माकं जन्मभूमिः अस्ति। अतः भारतमातुः पूजा करणीया। जयतु जयतु भारतवर्षः।

### क्रियाकलापम्-

8. चित्रं दृष्ट्वा मञ्जूषा-सहायतया पञ्चवाक्यानि लिखत।

( उपवनस्य , महिला , बालकाः , क्रीडन्ति , पुष्पाणि , विकसन्ति , वृक्षौ , शुद्धम् , भवति , भ्रमन्ति )







## **MATHEMATICS**

**Instructions: Collect real-life data for each question and solve them in your notebook. Show all necessary steps and explanations.**

1. Find the cost of a monthly mobile recharge plan. If you save ₹x per day, form an equation to find how many days you need to save to afford it. Solve the equation.
2. Identify a quadrilateral-shaped object at home (a door, book, window, or tile). Measure its sides and angles. Classify it as a square, rectangle, parallelogram, rhombus, or trapezium, and justify your answer.
3. Take the length and breadth of a rectangular tabletop. Use the identity  $(a + b)^2 = a^2 + 2ab + b^2$  to expand and verify the result by actual multiplication.
4. Find the population of your city/town and express it in scientific notation. Compare it with the population of a nearby city.
5. Write the product of any two consecutive numbers (e.g.,  $6 \times 7 = 42$ ) as a quadratic expression. Factorize it and verify your answer.
6. Measure the dimensions of a cylindrical water bottle at home (radius and height). Calculate its volume and explain how much water it can hold.
7. Collect the daily temperature of your city for five days. Find the mean, median, and mode of the recorded temperatures.
8. Visit a local store or an online shopping website and find the marked price and selling price of an item. Calculate the discount percentage offered.
9. Measure the time taken to walk from your home to school (or a nearby park) and estimate the speed in km/h using the formula  $\text{Speed} = \text{Distance} \div \text{Time}$ .
10. Toss a coin 20 times and record the number of heads and tails. Calculate the experimental probability of getting heads and compare it with the theoretical probability.

## **SCIENCE**

1. A satellite goes round the earth in a circular orbit with constant speed. Is the motion uniform or accelerated?
2. A gas is collected at 300K and 2 atmospheric pressure. If the temperature is increased to 600K at constant volume, what will be the new pressure?





3. Why does a drop of ink spread in water but remain intact on a plastic sheet?

4. How does the absence of the endoplasmic reticulum affect a cell's function?

**Diagram based questions:**

5. A ball is dropped from a height, sketch a displacement time graph for its motion.

6. With diagram explain diffusion of bromine vapour into air.

7. With labelled diagram differentiate between Eukaryotic and Prokaryotic cells

8. Draw and explain Nucleus

Model making topics:-

1. Newton third law
2. Reflection of Sound
3. Separation techniques models (Filtration, Distillation, Sublimation)
4. Integrated farming
5. Vermicomposting

## **SOCIAL SCIENCE**

**(A) Prepare 'My own Atlas' in your Geography copy on the following topics.**

**(i) On Physical map of India –1**

Neighbouring Countries with capital

**(ii) On Physical map of India –2**

- Tropic of Cancer( also locate the States from where Tropic of Cancer passes)
- Standard Meridian
- Latitudinal and Longitudinal extent

**(iii) On Political map of India – 3**

States with Capitals

**(iv) On Political map of India – 4**

Union Territories with Capitals

**(v) On Political map of India – 5**

States sharing International boundaries

**(vi) On the World map locate**

Continents and Oceans





**(B) Prepare a project - On the role of media in making cricket a marketable game and cricketers as celebrities.**

### **ARTIFICIAL INTELLIGENCE (AI)**

- 1) When should you prefer script mode over interactive mode in Python?
- 2) What happens when you mix different data types in an expression ?  
(e.g.,  $5 + 3.2$  or `"hello" * 3`)
- 3) What is the result of `True + False` in Python? Justify your answer.
- 4) How does Python handle division ( `/` vs. `//` )?
- 5) What are the different career opportunities in Artificial Intelligence?
- 6) Give any two examples of AI solutions to Social Issues.
- 7) What are the different ethical challenges in Artificial Intelligence?

### **ART AND CRAFT (DRAWING)**

Decorate your drawing file or copy.

