

ADARSH VIDYALAYA MOWA

HOLIDAY PRACTICE WORK / SKILL DEVELOPMENT ACTIVITIES (2024-25)

CLASS – IX

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***

SUBJECT - ENGLISH

1. During the summer vacation, you might have visited many places, make a travelogue of the places in a scrap file. Also paste pictures and give a detailed description of the place.
2. Read chapter-2 The Adventure of Toto and chapter- 3 Iswaran the Storyteller from the Moment (Fiction) book and write a brief review of the stories.
3. Explain the literary devices with one example from the poem in your textbook. Given below is a list of literary devices that you can look for in your poem.
 - Simile
 - Metaphor
 - Alliteration
 - Repetition
 - Hyperbole
 - Irony
 - Personification
4. Read the newspaper daily and write 5 vocabulary words that you have learnt and use them in your speaking and writing.

SUBJECT - HINDI

वाचन कार्य-

1. कहानी 'दो बैलों की कथा' समझकर पढ़ना, कठिन शब्दों के अर्थ समझना, प्रश्नोत्तर समझकर याद करना।
2. नियमित रूप से समाचार-पत्र पढ़ना
3. कविता 'सांखियाँ व सबद' पढ़ना

लेखन कार्य-

1. उपसर्ग किसे कहते हैं ? उपसर्ग को उनके मूल शब्दों से पृथक करते हुए दस उदाहरण लिखिए।
2. प्रत्यय किसे कहते हैं ? प्रत्यय को उनके मूल शब्दों से अलग करते हुए दस उदाहरण लिखिए।
3. अनुच्छेद को दिए गए संकेत बिंदुओं के आधार पर लिखिए-योग का महत्व संकेत बिंदु-योग का अर्थ, महर्षि पतंजलि का परिचय, आज के युग में योग की आवश्यकता
4. ग्रीष्मावकाश में विद्यालय में खेल शिविर आयोजित करने को लेकर प्रार्थना-पत्र लिखिए।
5. 'अब पछताए होत क्या जब चिड़ियाँ चुग गईं खेत' उपरोक्त शीर्षक को आधार बनाकर एक लघु कथा लिखिए।

SUBJECT – MATHEMATICS

1. Solve each of the following equations and check your solution by substituting in the equation.
 - i) $x/3 - x/2 = 6$
 - ii) $(3+x)/(2x-3) = -1/2$
2. The sum of three consecutive odd numbers is 51. Find the numbers.
3. Find the square root of 729 using factorisation method.
4. Find the square root of 42.25 using long division method.
5. Length of the fence of a trapezium shaped field ABCD is 120 m. If BC = 48 m, CD = 17 m and AD = 40 m, find the area of this field. Side AB is perpendicular to the parallel sides AD and BC
6. Find the height of the cylinder whose volume is 1.54 m^3 and diameter of the base is 140 cm.
7. Factorise:
 - (i) $a^4 - b^4$
 - (ii) $p^4 - 81$
 - (iii) $x^4 - (y + z)^4$
8. Factorize the expressions and divide them as directed.
 - (i) $(y^2 + 7y + 10) \div (y + 5)$
 - (ii) $(m^2 - 14m - 32) \div (m + 2)$

SUBJECT – PHYSICS

1. Distinguish between distance and displacement.
2. Give the definition of uniform and non-uniform motion.
3. Draw the following:
 - i. Distance-time graph for uniform motion.
 - ii. Distance-time graph for non-uniform motion
4. A person travels a distance of 7.2 km in 9 min. Calculate its speed in m/s.
5. Write 5 physical quantities formula and its SI unit.

Model's topics:

1. Make a model to explain the Newton's second law motion.
2. Make a model to explain transformation of energy.

Innovative Model topics:

1. Make an innovative model using non-Newtonian fluid and its application.
2. Solar power water purification system and its application.

SUBJECT - CHEMISTRY

1. Draw or paste 10 application of evaporation and explain each in brief.
2. Write and memories element from atomic number 1-20, with their electronic configuration.

3. Make a model of K L M N electron configuration / To make a doodle note review on isotopes and isobars.
4. Make an innovative model (mandatory) – Making and Testing soap

SUBJECT – BIOLOGY

1. Differentiate the following terms

- A) Cytoplasm and nucleoplasm
- B) Active and Passive transport
- C) Macronutrients and Micronutrients used by plants.

2. Draw the nucleus of the cell and write a short note for the following

- A) Double layered structure which encloses the nucleus
- B) Visible entangled mass of thread like structure
- C) A darkly stained round structure inside the nucleus

3. Write the differences between Plant and Animal tissues in the form of mind map.

4. Make a working model on Stomatal closing and opening.

5. Preparation of innovative articles (cups, container etc.) using sugarcane waste (mandatory)

Note: Innovative articles should not be copied from any web - resources

SUBJECT – SOCIAL SCIENCE

(1) 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 -1

States with Capital

(iv) On Political map of India -2

Union Territories with Capital

(v) On Political map of India -3

States sharing international boundaries

(v) On the World map locate

Continents and Oceans

(2) Write a report on the given topic in your Civics copy.

Take an example of any work done by the Panchayat in your area or nearby rural areas and find out the following.

- 1. Whether the work has been completed or not?**
- 2. Why was the project taken up?**
- 3. Where did the money come from?**
- 4. What did you learn from the above project and what importance it adds to the life of the rural people.**
- 5. Paste some pictures regarding the work which are done at the Panchayat level.**

SUBJECT: ARTIFICIAL INTELLIGENCE

- 1) How does the string get converted to a number?**
- 2) Explain some benefits of Python.**
- 3) When do we use a list in Python?**
- 4) Distinguish between local variables and global variables in Python?**
- 5) What is the process of interpreting Python code, and what is the difference between .py and .pyc files?**

SUBJECT: DRAWING

- 1. Decorate Your drawing File/Copy**
- 2. By using Waste material make a craft (as you like)**