



MORNING STAR SCHOOL
ACADEMIC SESSION 2025-26
SUMMER HOLIDAY HOMEWORK
Class-IX

Dear Students,

Summer vacation is a timeful of full fun. But dear Children, there is a lot more to do to make your vacation more interesting and meaningful. We have planned some interesting activities.



LIFE SKILL ACTIVITIES

VACATIONS NOT ONLY GIVE YOU A CHANCE TO RELAX AND BOND WITH YOUR KIDS, BUT THEY ALSO PROVIDE AN OPPORTUNITY FOR YOUR CHILDREN TO LEARN VALUABLE LIFE SKILLS AND LESSONS THAT WILL SERVE THEM WELL FOR YEARS TO COME.

HERE ARE FEW SUGGESTED ACTIVITIES WHICH MAY BE ALREADY IN PRACTICE WITH MANY, HOWEVER WE COULD USE THIS TIME TO RE-EMPHASIZE THE VALUES AND SKILLS OF GREATER SIGNIFICANCE IN LIFE.

WEEK-1

BETTER SOCIAL BEHAVIOUR

Right from wishing a pleasant morning, to sharing day to day stories, childhood stories can help them connect with you better.

WEEK-2

BAKE A SWEET TREAT TO ENJOY

Baking requires students to pay attention to detail, work methodically and employ lots of patience in waiting for their baked goodies etc.

WEEK-3

PRACTICE GARDENING

Gardening is a great life skill to nature from a young age. Gardening allows learners to become more responsible in caring for their plants, Gardening also exposes learners to a better Understanding of the natural world and all of its elements.

WEEK-4

VISIT A MUSEUM

Holiday time is a great time to visit a museum. Many museums offer unique exhibits and activities geared towards kids during the holidays. This is an excellent way for kids to learn about different cultures and traditions.

Dear Parents,

'Always speak in English with your family members and friends.'

Different types of languages are spoken by people from different regions, but the most important thing is that any language when spoken should be spoken correctly.

The two common languages that our children should be able to speak fluently are Hindi and English. Since English is a universal language spoken and understood by people all over the world, we want our children also to be proficient in speaking it and for this we need full support and cooperation. We would appreciate if you adhere

to the following points:

1. Speak with your child in English. Encourage reading habits.
2. Read out story-books and after finishing the story discuss it with your child.
3. Encourage Word Building and Picture Talk.

ENGLISH

1. Read any 5 Editorials and paste them in your files.
2. Paste any 10 important headlines from any English newspaper in your files.
3. What do you mean by Literary Devices ?
 - Explain the following literary devices with at least 2 examples of each:
 - Simile
 - Metaphor
 - Imagery
 - Irony
 - Hyperbole
 - Personification
 - Analogy
 - Symbolism
 - Paradox
 - Onomatopoeia
 - Juxtaposition
4. Write any 10 verb forms.
5. Revise the syllabus covered till date.

Note: Holiday Home Work should be done in a file.

- Include the following:

1. Cover Page (which includes Title & Student Information)
2. Index
3. Bibliography
4. Acknowledgement

HINDI

1. कुछ लोग प्रतिदिन थोड़ी-थोड़ी बातें किसी स्थान पर लिख लेते हैं। जो भी वे सोचते हैं। या जो उनके साथ उस दिन हुआ या जो उन्होंने देखा, उसे ईमानदारी से लिख लेते हैं। इस डायरी लेखन कहते हैं।

आप भी अपने मन की बातों और विचारों को एक डायरी में लिखना प्रारंभ कीजिए।

*आप एक डायरी या लेखन पुस्तिका में भी लिख सकते हैं।

*आप प्रतिदिन, कुछ दिनों में एक बार या जब कुछ लिखने का मन करे तब लिख सकते हैं।

*शब्दों या वाक्य की कोई सीमा नहीं है आप चाहे तो कुछ वाक्य या दो पृष्ठ या जो मन में आए उसे उचित और शालीन शब्दों में लिख सकते हैं।

२. आकाश से तारे तोड़ना, अंधे की लकड़ी, अकल का अंधा, आदि मुहावरों में से किसी एक मुहावरे पर कहानी लिखकर उससे संबंधित एक चित्र बनाकर फाइल तैयार कीजिए।

अथवा

बुरा मत बोलो, बुरा मत सुनो, बुरा मत देखो और कुछ अन्य नैतिक आचरण से संबंधित स्लोगन बनाकर चित्र सहित फाइल तैयार कीजिए।

MATHEMATICS

1. Which one of the following is a rational number:
(a) $\sqrt{3}$ (b) $\sqrt{2}$ (c) 0 (d) $\sqrt{5}$
2. 0.6666 in $\frac{p}{q}$ form is:
(a) $\frac{6}{99}$ (b) $\frac{2}{3}$ (c) $\frac{3}{5}$ (d) $\frac{1}{66}$
3. $4\frac{1}{8}$ in decimal form is:
(a) 4.125 (b) $4.\overline{15}$ (c) $4.1\overline{5}$ (d) $0.4\overline{15}$
4. The value of $(3 + \sqrt{3})(3 - \sqrt{3})$ is:
(a) 0 (b) 6 (c) 9 (d) 3
5. The value of $(\sqrt{5} + \sqrt{2})^2$ is:
(a) $7 + 2\sqrt{5}$ (b) $1 + 5\sqrt{2}$ (c) $7 + 2\sqrt{10}$ (d) $7 - 2\sqrt{10}$
6. The value of $(\sqrt{5} + \sqrt{2})(\sqrt{5} - \sqrt{2})$ is:
(a) 10 (b) 7 (c) 3 (d) $\sqrt{3}$
7. The value of $(\sqrt{11} + \sqrt{7})(\sqrt{11} - \sqrt{7})$ is:
(a) 4 (b) -4 (c) 18 (d) -18
8. The value of $(5 + \sqrt{5})(5 - \sqrt{5})$ is :
(a) 0 (b) 25 (c) 20 (d) -20
9. On rationalizing the denominator of $\frac{1}{\sqrt{7}}$, we get
(a) 7 (b) $\frac{\sqrt{7}}{7}$ (c) $\frac{-\sqrt{7}}{7}$ (d) $\sqrt{7}$
10. Which of the following is true?
(a) Every whole number is a natural number (b) Every integer is a rational number
(c) Every rational number is an integer (d) Every integer is a whole number
11. The number of rational numbers between $\sqrt{3}$ and $\sqrt{5}$ is
(a) One (b) 3 (c) none (d) infinitely many
12. If we add two irrational numbers, the resulting number
(a) is always an irrational number (b) is always a rational number
(c) may be a rational or an irrational number (d) always an integer
13. The value of $\frac{1}{11}$ in decimal form is:
(a) $0.0\overline{99}$ (b) $0.9\overline{09}$ (c) $0.0\overline{9}$ (d) $0.00\overline{9}$
14. Decimal expansion of a rational number is terminating if in its denominator there is:
(a) 2 or 5 (b) 3 or 5 (c) 9 or 11 (d) 3 or 7
15. If $\frac{1}{7} = 0.\overline{142857}$, then $\frac{4}{7}$ equals
(a) $0.4\overline{28571}$ (b) $0.5\overline{71428}$ (c) $0.8\overline{57142}$ (d) $0.2\overline{85718}$
16. The value of n for which \sqrt{n} be a rational number is
(a) 2 (b) 4 (c) 3 (d) 5
17. The arrangement of $\sqrt{2}, \sqrt{5}, \sqrt{3}$ in ascending order is
(a) $\sqrt{2}, \sqrt{3}, \sqrt{5}$ (b) $\sqrt{2}, \sqrt{5}, \sqrt{3}$ (c) $\sqrt{5}, \sqrt{3}, \sqrt{2}$ (d) $\sqrt{3}, \sqrt{2}, \sqrt{5}$
18. If $\sqrt{10} = 3.162$, then the value of $\frac{1}{\sqrt{10}}$ is
(a) 0.3162 (b) 3.162 (c) 31.62 (d) 316.2

1. Find six rational numbers between 3 and 4.
2. Find five rational numbers between $\frac{3}{5}$ and $\frac{4}{5}$
3. Represent the real number $\sqrt{10}$ on the number line.
4. Represent the real number $\sqrt{13}$ on the number line.
5. Represent the real number $\sqrt{7}$ on the number line.
6. Represent the real number $\sqrt{2}, \sqrt{3}, \sqrt{5}$ on a single number line.
7. Find two rational number and two irrational number between $\sqrt{2}$ and $\sqrt{3}$.
8. Find the decimal expansions of $\frac{10}{3}, \frac{7}{8}$ and $\frac{1}{7}$.
9. Show that 3.142678 is a rational number. In other words, express 3.142678 in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
10. Show that 0.3333..... can be expressed in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
11. Show that 1.27272727..... can be expressed in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
12. Show that 0.23535353..... can be expressed in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
13. Express the following in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
 (i) $0.\overline{6}$ (ii) $0.4\overline{7}$ (iii) $0.\overline{001}$ (iv) $0.2\overline{6}$
14. Find three different irrational numbers between the rational numbers $\frac{5}{7}$ and $\frac{9}{11}$.
15. Visualize the representation of $5.\overline{37}$ using successive magnification
16. Visualize $4.\overline{26}$ on the number line, using successive magnification upto 4 decimal places.
17. Visualize 3.765 on the number line, using successive magnification.
18. Express $0.6 + 0.\overline{7} + 0.4\overline{7}$ in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$.

ACTIVITY

1. To represent some irrational numbers on the number line.
2. To construct a square-root spiral.

SOCIAL SCIENCE

1. Every student has to compulsorily undertake one project on disaster management
 - (i) Students can either take natural disaster like flood or tsunami
 - (ii) Man made disaster like Bhopal gas tragedy
2. Project should include
 - (i) Name of disaster, their consequences and management
 - (ii) What steps should be taken in advance to face such situations
 - (iii) How to create awareness and preparedness among the community.
3. Revise all the chapters done in classroom and make notes of ch-1. (History)

ECONOMICS

- Q.1 How many families live in village Palampur?
- Q.2 Name the neighbouring village and town which is well connected with Palampur
- Q.3 Name one example of Fixed Capital and Working capital.
- Q.4 Name few Non Farm activities in Palampur Village
- Q.5 How spread of electricity helps farmers in Palampur

SCIENCE

PHYSICS

Writing :

Complete the notes of the following topics in your notebook :

Motion

- I) Mind_Map
- II) Important keywords
- III) Graphs
- IV) NCERT_Examples
- V) Enlist five real life activities based on motion

Learning : Revise the topics

Distance, Displacement, Speed, Velocity, Acceleration.

CHEMISTRY

Writing :

Complete the notes of the following topics in your notebook Matter in our surroundings

- I) Mind_Map
- II) Important keywords
- III) Diagram / Chart
- IV) NCERT_Examples
- V) Enlist five real life activities based on matter

Learning : Revise the topics

- 1) Matter
- 2) Physical nature of matter
- 3) Properties of matter
- 4) Diffusion
- 5) Classification of matter
- 6) Difference between solid liquid and gas
- 7) Plasma state and BEC

BIOLOGY

Writing :

Complete the notes of the following topics in your fair notebook :

- I) Plasma Membrane
- II) Cell Wall
- III) Hypertonic, Hypotonic and isotonic solutions.
- IV) Nucleus. with diagram.

Activity :

Make a chart on Diagram of Plant Cell and animal cell.

Learning : Revise the topics covered of chapter 1 The fundamental unit of life Cell.

Practical :

Write experiment no. 1 (temporary mount of onion peel) and experiment no. 2(temporary mount of human cheek cell) in biology practical notebook.

COMPUTER

A. Complete your work of chapter-1 (Question Answers) in computer notebook

B. Write notes on following topic:-

(ASSIGNMENT FILE)

1. Emerging Technology
 2. Importance of Computer in Education.
 3. Computer Programming
- C. Discuss the role of computer in our life. (ASSIGNMENT FILE)

PHYSICAL ACTIVITY TRAINER

- Write down five fundamental skill of volleyball game
- Draw a chart of Suryanamskar.

ACTIVITY RECOMMENDED DURING VACATION

- ➡ Meditate and do simple yoga exercises .
- ➡ Water plants and feed the birds.
- ➡ Join your grandparents and parents for their morning walk.
- ➡ Help your mother in the kitchen .
- ➡ Don't watch too much of television .
- ➡ keep your environment in surrounding clean .
- ➡ Plant trees and conserve your natural resources.
- ➡ Build and improve your vocabulary through crosswords, jumble words etc.
- ➡ Solve riddles and puzzles.
- ➡ Read story books and visit places.
- ➡ Improve your reading and writing skills by reading and writing.

Note:

- **Summer breaks are from 1ST May to 25th June 2025.**
- **The school reopens on 26th June 2025**

Have a great Summer Vacation!