

MBPMPL, P.O. Jaithari, District: Anuppur (M.P.) - 484330

Holiday Homework: Class-IX (2023-24)

Important Instructions:

The holiday homework is a part of an internal assessment. So, it has to be done diligently and must be produced when asked for submission.

English

Your holiday homework this year is a fine blend of all the aspects of the language. It has been designed to ensure that you learn with fun.

1. MOVIE REVIEW WRITING ACTIVITY: Watch any movie like Mary Kom, Dangal, Stanley ka Dabba, Taare Zameen Par, Udaan, Makdee, Hichki, I am Kalam, Harry Potter, Nil Bate Sannata, etc. that help inspire young minds. The movie must be age appropriate and parents' acknowledgement is compulsory before you watch. After you complete watching, write a movie review of any two movies you have watched. **You may give your movie review the form of a book/album or a photo stand. You may draw/paste suitable picture to make your review look amazing.**

2. MEET THE LITTERATEUR:

Read and explore about any **FOUR** of the given writers –

- Sarojini Naidu
- Arundhati Ray
- Mulkraj Anand
- Kiran Desai
- Dr. A P J Abdul Kalam
- Anita Desai
- Amitav Ghosh
- Salman Rushdie
- Robert Frost
- R K Narayan
- Rabindranath Tagore
- Jumpa Lahiri
- Ruskin Bond
- Raja Rao
- Arvind Adiga
- Munshi Premchand
- William Shakespeare

- Use A4 Sheets & colours. On the sheets, provide the following information about the author-

A) Date of birth, name of parents & education

B) Popular literary works

C) Awards received.

- Also draw or paste pictures. It shall be explained by you in the class as a part of **multiple assessments/Portfolio** when the school reopens.

3. DIARY WRITING ACTIVITY: Make a small notebook/a diary your personal diary. Cover it and decorate it as well as you do to the most favourite thing of yours. Give your diary a cute/funny name as you name your friend/pets. Write a page of the everyday events of your daily life in the diary. Draw/paste pictures to make the entry memorable. Follow the format.

4. FUN WITH GRAMMAR: Learn the given topics from the links provided and practice them in your English notebook:

a. Determiners: <https://rb.gy/kkcwu>
<https://rb.gy/l3ya9>

b. Tense: <https://rb.gy/lppn2>
<https://rb.gy/1oier>
<https://rb.gy/kgv4f>

c. Clauses: <https://rb.gy/a4yy8>
<https://rb.gy/2dl1a>

d. Modals: <https://rb.gy/yroxq>
<https://rb.gy/td4np>
<https://rb.gy/fpafp>

e. Voice: <https://rb.gy/7mrey>
<https://rb.gy/e1gta>
<https://rb.gy/7on4a>

f. Reported Speech: <https://rb.gy/g59rd>
<https://rb.gy/j5bfl>
<https://rb.gy/t9kfg>

g. Preposition: <https://rb.gy/yc2dj>
<https://rb.gy/ojs22>
<https://rb.gy/pvsfm>

h. Subject – Verb Concord (Agreement): <https://rb.gy/sazb1>
<https://rb.gy/gl515>
<https://rb.gy/j9h1i>
<https://rb.gy/4tynf>

5. PARAGRAPH WRITING ACTIVITY: Write a descriptive paragraph on the given topics in 120-150 words each:

- a. A day without water
- b. Social Media: Boon or Bane
- c. How I see Myself as after 10 years

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Hindi

१) रामविलास शर्मा, यशपाल, रैदास, रहीम, शरद जोशी, रामधारी सिंह दिनकर, हरिवंशराय बच्चन कोई तीन रचनाकारों के जीवन परिचय का कार्ड निम्न बिन्दुओं के आधार पर बनाइए- जन्म, मृत्यु, रचनाएँ, शिक्षा, साहित्यिक योगदान । (पहले पृष्ठ में साहित्यकार का नाम, चित्र तथा अन्य पृष्ठ में उपर्युक्त बिन्दुओं को लिखिए)

२) बेटी बचाओ बेटी पढ़ाओ, पर्यावरण, स्वास्थ्य, जल का महत्व, पेड़ लगाओ पेड़ बचाओ किन्हीं तीन शीर्षक पर एक-एक नारा कलात्मक ढंग से लिखिए ।

३) रहीम के तथा तुलसी दास के पाँच-पाँच दोहे लिखिए तथा लय में याद कीजिए । (लेखन कार्य A4 साइज पेपर में करना है)

४) 'मनुष्य की पहचान उसकी पोशाक से होती है।' इस विषय पर दस से पन्द्रह पंक्तियों की परिचर्चा लिखिए तथा बोलने का अभ्यास कीजिए।

५) कक्षा में पढ़ाए गए पाठ को दोहराइए।

६) कविता याद कीजिए -

क. कवि आनंद परम (कविता: कोशिश कर हल निकलेगा)

ख. कवि प्रसून जोशी (कविता: रुके न तू, थके न तू)

(नोट: 1. सभी कार्यों की एक फ़ाइल तैयार कीजिए।

2. उपर्युक्त सभी कार्यों के लिए 25 अंक निर्धारित किये गए हैं जो आन्तरिक मूल्यांकन में दिए जाएंगे।

Mathematics

(PREPARE A PROJECT FILE)

Write the biography of Aryabhata describing about his mathematical achievements. Also paste his photographs (post card size).

<https://en.wikipedia.org/wiki/Aryabhata>

ART INTEGRATED ACTIVITY

(TO BE DONE IN MATHS ACTIVITY NOTE BOOK)

Watch the video (link provided below) and (1) Prepare a model to represent the different types of numbers through paper cutting activity. (2) Prepare a model to represent the different types of algebraic identities through paper cutting activity.

<https://youtu.be/A4zDec4KnlQ> (video time 8.03 minutes)

https://youtu.be/RR__1OMK_Ww (video time 4.57 minutes)

ASSIGNMENTS

(TO BE DONE IN MATHS CLASS WORK NOTE BOOK)

Q.1: Find three rational numbers between 5 and 6.

Q.2: Find four rational numbers between $\frac{2}{3}$ and $\frac{4}{3}$.

Q.3: Locate $\sqrt{5}$ on the number line.

Q.4: Find the decimal expansions of $\frac{10}{3}$, $\frac{7}{8}$ and $\frac{1}{7}$.

Q.5: Visualise 9.345 on the number line, using successive magnification.

Q.6: Add $12\sqrt{2} + 16\sqrt{3}$ and $8\sqrt{2} - 13\sqrt{3}$.

Q.7: Simplify: $(\sqrt{7} + \sqrt{5})(\sqrt{7} - \sqrt{5})$.

Q.8: Rationalise the denominator of $\frac{1}{[4+3\sqrt{2}]}$.

Q.9: Simplify: (i) $7\frac{2}{3} \cdot 7\frac{1}{5}$ (ii) $10\frac{1}{2} / 10\frac{1}{4}$

Q.10: What is the value of $(256)^{0.16} \times (256)^{0.09}$?

FORMULA DIARY & MIND MAPS:

1. Write all the formulas of chapters -1 and 2 of the N.C.E.R.T. Textbook in your note book/diary and memorize all these formulas. As soon as the school resumes there will be a formula test and the marks you obtain in this test will be taken into account while doing the internal assessment.

2. Using the link provided below prepare the mind maps of chapters -1 and 2.

<https://www.selfstudys.com/update/180891>

REFERENCES: -

N.C.E.R.T. TEXT BOOK

<https://youtu.be/B-mFYTCGm28> (complete video on number systems, time 66.30 minutes)

<https://youtu.be/qdfWmUE0t7k> (complete video on polynomials, time 97.27 minutes)

Science **PHYSICS**

Q.1 Design an experiment to find the velocity of an object using distance - time graph? Make a data Table between distance and time. Use the gradient of distance – time graph to find the correlation between distance and time.

Q.2 On which factors, volume and density of liquids depends? Prepare an analytical experiment for it.

Q.3 Newton's laws of motion are an inherent part of our everyday life. Starting from the beginning of the day till the end, Newton's laws find their applications in a number of activities we do and paste its picture.

Q.4 Make a Report on Production of sound in humans and noise pollution, its cause and effects using figures & pictures.

Q.5 Using flowchart and diagrams prepare a report on Communication Revolution in India.

Q.6 Make a Mind – Map of chapter "MOTION".

CHEMISTRY

Note: Do any three of the following activities.

1. To prepare a photo including biographical information and significant contribution of any Indian scientists.

TOPIC: LEGENDS OF INDIAN SCIENCE

Instructions:

-Prepare a Photo of any one scientist in the form of BIOGRAPHY BOOKS/ LAPBOOKS.

-Use library/ encyclopaedia/online resources to undertake in-depth research.

-Book should cover the following information of the scientists:

- (a) Sketch/ Portrait of the Scientist
- (b) Date and Place of birth and death
- (c) Nationality
- (d) Significant Contributions to the society
- (e) Relevance/Application in day-to-day life
- (f) Awards (g) Inspirational quotes

2. BE THE BUDDING SCIENTISTS!

Design your own experiment and feel like a scientist.

Instructions:

-Choose any topic related to Physics/ Biology/ Chemistry and design an experiment using simple things to explain laws, principles, phenomena around us.

-Prepare a working model or an activity and also a chart related to it.

3. Make any working model which is based on theme best out of waste:

4. You may have noticed that most packed items we get from the market have 'best before' or 'expiry' dates on them. These are the dates before which the manufacturers intend these foods to be consumed. Check the packets of different types of food items like chips, biscuits, dairy products, chocolates, jam, ketchup, juices etc. and complete the following table.

Product name	Method of packing (Sealed bag, tetra pack, bottle, can, carton etc.)	Manufacturing date	Expiry date/ best before date

- (i) Which type of foods have the shortest 'best before' / expiry duration?
- (ii) Which type of foods have the longest expiry duration?
- (iii) Also, find out why it is considered unhealthy to consume foods after the 'best before'/expiry date.
- (iv) Find out harmful ingredients in minimum 10 packed food items.
- (v) Prepare a report based on your findings on A4 sized sheets.

5. Prepare a project report on ancient India's contribution on Ayurveda in Chemistry point of view.
6. Prepare mind map of chapter 1 Matter in our surroundings

BIOLOGY

Q.1 Make a 3D Model of plant cell or animal cell, prokaryotic or Eukaryotic cell, Nucleus or Mitochondria & study their difference. You may use different items like clay, buttons, cotton, wool, etc.

Q.2 Take gram seeds and boil few of them. Soak the dry gram seed and boiled gram seed in water. Note down your observation. Find out the reason behind it. Do you observe this in your surroundings, if yes explain with any three suitable examples.

Q.3 Using this link below and, Complete the following practical.

• <https://byjus.com/cbse/cbse-class-9-science-practicals/>

Q.4 Preparation of stained temporary mounts of

(a) Onion peel

(b) Human cheek cells and to record observations and draw their labelled diagrams

Social science

- Prepare a project/model on any one natural disaster under the following points:

(i) Introduction

(ii) Causes of the disaster

(iii) illustrate the regions prone to the disaster in the world map.

(iv) Dos and don'ts before, during and after the disaster.

(v) Conclusion

Note: Follow the following instructions while preparing the project:

- The project/model prepared should be made from eco-friendly products without incurring too much expenditure.
- The Project Report should be handwritten by the students themselves.
- If possible, different forms of art may be integrated in the project work.
- Prepare a map of India showing States with Capitals, Tropic of Cancer, Standard Meridian.
- Learn answers of chapter one from History & Geography both.

Art & craft

ART- 1. Draw any two-pencil sketch of your choice and give light & shadow effect on them.

2. Draw two examples of each: - (a) One vanishing point perspective

(b) Two vanishing point perspective

(c) Three vanishing point perspective.

3. Make any nature scene or land scape. (Medium – poster colour, water colour or collage work.

CRAFT- Collect few wastes glass bottles & make a design or any painting work on it.