

Holiday homework Science (Chemistry) Class -IX

Activity-Based Homework (Simple, Hands-On)

1. Observation of Change in States of Matter

Objective: Show melting, freezing, condensation, and evaporation.

Materials: Ice cubes, a glass, water, a spoon, and a heating source.

Instructions: Observe how ice melts into water and how water evaporates. Record temperature changes and time.

2. Evaporation Rate Comparison

Objective: Compare how fast water evaporates under different conditions.

Materials: 3 cups of water, fan, sunlight, room temperature.

Instructions: Measure and compare the time taken for evaporation.

3. Effect of Surface Area on Evaporation

Objective: Understand how surface area affects evaporation.

Materials: Water, a plate, a bowl, and a glass.

Instructions: Pour equal amounts of water and observe evaporation speed.

4. Model Making: States of Matter

Make a 3D model showing solid, liquid, and gas particles using clay or thermocol balls.

5. Science Comic or Storyboard

Make a comic strip explaining states of matter through characters like “Solid Sam”, “Liquid Lily”, and “Gas Gary”.

1	<p>ACTIVITY – CHART MAKING</p> <p>Prepare the chart and explain the given topic with proper diagram and illustrations.</p> <p>Roll no 1 to 10 --- Describe the various types of motion.</p> <p>Roll no 11 to 20 --- Describe the uniformly accelerated motion.</p> <p>Roll no 21 to 30 --- Derive the three equations of motion for uniformly accelerated motion using graphical method.</p> <p>Roll no 31 to 40 --- Describe the uniform circular motion.</p>																									
2	<p>Have you ever experienced that the train in which you are sitting appears to move while it is at rest?</p> <ul style="list-style-type: none">• Share your experience.																									
3	<p>The times of arrival and departure of a train at three stations A, B and C and the distance of stations B and C from station A are given in Table 7.4.</p> <table><tr><th colspan="4">Table 7.4: Distances of stations B and C from A and times of arrival and departure of the train</th></tr><tr><th>Station</th><th>Distance from A (km)</th><th>Time of arrival (hours)</th><th>Time of departure (hours)</th></tr><tr><td>A</td><td>0</td><td>08:00</td><td>08:15</td></tr><tr><td>B</td><td>120</td><td>11:15</td><td>11:30</td></tr><tr><td>C</td><td>180</td><td>13:00</td><td>13:15</td></tr></table> <p>Plot and interpret the distance-time graph for the train assuming that its motion between any two stations is uniform.</p>	Table 7.4: Distances of stations B and C from A and times of arrival and departure of the train				Station	Distance from A (km)	Time of arrival (hours)	Time of departure (hours)	A	0	08:00	08:15	B	120	11:15	11:30	C	180	13:00	13:15					
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4	<p>Feroz and his sister Sania go to school on their bicycles. Both of them start at the same time from their home but take different times to reach the school although they follow the same route. Table 7.5 shows the distance travelled by them in different times</p> <table><tr><th colspan="3">Table 7.5: Distance covered by Feroz and Sania at different times on their bicycles</th></tr><tr><th>Time</th><th>Distance travelled by Feroz (km)</th><th>Distance travelled by Sania (km)</th></tr><tr><td>8:00 am</td><td>0</td><td>0</td></tr><tr><td>8:05 am</td><td>1.0</td><td>0.8</td></tr><tr><td>8:10 am</td><td>1.9</td><td>1.6</td></tr><tr><td>8:15 am</td><td>2.8</td><td>2.3</td></tr><tr><td>8:20 am</td><td>3.6</td><td>3.0</td></tr><tr><td>8:25 am</td><td>–</td><td>3.6</td></tr></table> <p>Plot the distance-time graph for their motions on the same scale and interpret.</p>	Table 7.5: Distance covered by Feroz and Sania at different times on their bicycles			Time	Distance travelled by Feroz (km)	Distance travelled by Sania (km)	8:00 am	0	0	8:05 am	1.0	0.8	8:10 am	1.9	1.6	8:15 am	2.8	2.3	8:20 am	3.6	3.0	8:25 am	–	3.6	
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5	<p>Solve all the In-text questions and exercise questions of motion chapter in your copy.</p>																									

- 1- प्रतिदिन 1 पेज का सुलेख करें |
- 2- कबीरदास की 20 साखियों का संकलन करें तथा अर्थ सहित लेखन करें व याद करें |
- 3- रहीमदास के 20 दोहों का संकलन करें तथा अर्थ सहित लेखन करें व याद करें |
- 4- उपसर्ग की परिभाषा लिखे व अधोलिखित उपसर्ग से 2-2 शब्द बनाए |
अन् ,अधि ,अप ,अनु ,उत् ,चिर ,निर् ,परा ,प्रति, सु , अध, औ ,कु , भर, अल , कम
- 5- प्रत्यय की परिभाषा लिखे व अधोलिखित प्रत्यय से 2-2 शब्द बनाए |
आई, आक ,आन ,आवट,औती ,आहट ,आकू ,आव,आवना ,आलु, इयल, एरा , वान ,इक
- 6- 5 दिन के अवकाश हेतु प्राचार्य महोदय को पत्र लिखिए |
- 7- दो बैलों की कथा, कबीर की साखियाँ और सबद के प्रश्नोत्तर याद करें |
- 8- आपने गर्मियों की छुट्टियां कैसे बिताई ? इस दौरान आपकी दिनचर्या कैसे रही ? लिखिए |

- 9- प्रेमचंद्र की पांच कहानियों को याद करे तथा लिखकर समीक्षा करें | (प्रोजेक्ट कार्य) फाइल में करना
- 10- हरिवंशराय बच्चन और महादेवी वर्मा के जीवन ,साहित्यिक और शिक्षा पर विस्तृत वर्णन | (प्रोजेक्ट कार्य) फाइल में करना
- 11- जनसंचार तथा उसके भेद-प्रभेद , इटरनेट ,जनसंचार के साधन पर विस्तृत वर्णन | (प्रोजेक्ट कार्य)
- 12- तुलसीदास तथा सूरदास के जीवन , रचनाओं का विस्तृत वर्णन | (प्रोजेक्ट कार्य)
- 13- आपकी कालोनी में आवारा जानवरों की संख्यां अचानक बढ़ गई है ,जिससे कालोनी वासियों को परेशानी का सामना करना पड़ रहा है | इसकी तरफ ध्यान दिलाते हुए मुख्य नगर पालिका अधिकारी को पत्र लिखिए |

विषय पर निबंध लिखिए |

- 14- (क) देश के विकास में महिलाओं का योगदान (ख) अच्छे नागरिक के देश के प्रति उत्तरदायित्व
- 15- आपने गर्मियों की छुट्टियां कैसे बिताई ? इस दौरान आपकी दिनचर्या कैसे रही ? लिखिए |
- 16- गीत (हरिवंशराय बच्चन), कविता के बहाने (कुंवर नारायण),भक्तिन (महादेवी वर्मा) ,कैमरे में बंद अपाहिज (रघुवीर सहाय) के प्रश्नोत्तर पुस्तिका में लिखे एवं याद करें |

PM SHRI KENDRIYA VIDYALAYA TIKAMGARH

HOLIDAY HOMEWORK FOR SUMMER VACATION

Class - 9. (2025-26). MATHS

1. Revise chapters 1 and 2.
2. Solve all questions related to chapters 1 and 2 given in last year final paper of class -9 Math.
3. Maths Lab Manual (write any 5 activities)
4. Make a 3D model of a cube or Cuboid using cardboard and show formulas of surface Area and volume.
- 5 Draw and label a 10 points randomly.
Cartesian Plane and plot
- 6-Solve 5 HOTS (Higher Order Thinking Skills) questions from chapters - 1 and 2.

HOLI DAY HOMEWORK

CLASS -IX SCIENCE BIO

Write down the following activities with object, principle ,method, diagram and precautions

1 ACTIVITY -Osmosis with an egg.

2ACTIVITY -Put dried raisin in pure water.

3 ACTIVITY - mount the peel of Rhoeo leaf in water on slide.

PM SHRI KENDRIYA VIDYALAYA TIKAMGARH

SUMMER VACATION TASK-LIBRARY

SESSION: 2025-26

CLASS: VIII-IX

Dear Students,

The holidays are a perfect time to enjoy reading and discover new stories! Your holiday homework is designed to be fun and will help you explore the magical world of books.

“Complete your all chapters of your class for Reading Challenge 3.0”

Click here: [Reading Challenge 3.0](#)

Read 3 Books (1 Fiction, 1 Non-Fiction, 1 Biography/Autobiography)

Write a critical review of each book (8-10 sentences). Discuss:

- The central theme
 - Character development (fiction) or the main figure's life and achievements (biography)
 - The author's style and any personal takeaways
-
- Prepare two creative bookmarks with some motivational quotes regarding reading, books or library, etc.
 - Design a creative mini-dictionary of 50 difficult words with its meaning in Hindi and English which you haven't encountered before while reading.

Note: The words should be arranged in an alphabetical order just like a dictionary.

Link for open access books: -

- International children's Library - <http://www.childrenslibrary.org/>
- Cloud library- <https://www.yourcloudlibrary.com/>
- Storyline Online- <https://storylineonline.net/>
- Open library - <https://openlibrary.org/>
- Project Gutenberg- <https://www.gutenberg.org/>
- National Digital Library of India: https://www.ndl.gov.in/ndl_se
 - Teen & Young Collection: <https://www.obooko.com/category/free-books-for-teens>

Enjoy your holidays and happy reading! We look forward to hearing about the books you've explored when you return to school.

Your Librarian
Ruman Malik

PM SHRI KENDRIYA VIDYALAYA, TIKAMGARH

Holiday Homework- Summer Break

2025-26

CLASS IX

Subject- English

Summer break is for the students to relax and rejuvenate themselves. It is hoped that you find the following assignment an interesting learning exercise.

1. Design the first page of your assignment as your portfolio which should have the following details:
 - a) Name, class & section
 - b) Passport sized latest photograph
 - c) Self-introduction in 50 words
2. Reading Challenge:
Read the lessons of the supplementary reader- Moments and attempt the MCQs- link will be shared in the class group. Also write the descriptive answers in the fair notebook.
3. Watch the following two movies (in English). **You will have to fill in a questionnaire when you come back to school after the break.**
 - a) Charley and the Chocolate factory (released in 2005, Director- Tim Burton)
 - b) Matilda (released in 1996, Director-Danny Devito)
4. Listen to the following song and learn to sing it. Write its lyrics too:
<https://youtu.be/drnBMAEA3AM?feature=shared>
5. Play an outdoor game with family/friends/cousins and write a paragraph sharing your experience in 100 words.

Points to Remember:

- a) Holiday homework should be done in the grammar notebook.
- b) Do your work neatly and creatively.
- c) Make your assignment attractive with illustrations.
- d) This assignment carries 10 marks. These marks will be added in the final Internal assessment scores.

पी एम श्री केन्द्रीय विद्यालय टीकमगढ़, भोपाल

कक्षा - 9

ग्रीष्म-कालीन-अवकाश गृहकार्य

विषय: - संस्कृतं

1- अपनी भाषा में एक संक्षिप्त संवाद लिखिये ।

विषय: विद्यालय में मित्रों के साथ संवाद

. निर्देश: दो पात्रों के बीच 10-12 वाक्यों का संवाद तैयार करें। जैसे - रमेश और सुरेश के बीच विद्यालय के एक दिन के अनुभव पर संवाद।

2. निम्नलिखित किन्हीं एक विषय का चित्र वर्णन करिये ।

विधि: किसी एक चित्र को देखकर उसका वर्णन संस्कृत में करें (5-6 वाक्य)।

चित्र विषय: बाजार, विद्यालय, उद्यान, परिवार, या ग्रीष्मावकाश यात्रा।

4. शब्दकोश निर्माण (MINI SANSKRIT DICTIONARY)

कार्य: 10 दैनिक उपयोग के शब्द लें (जैसे जल, भोजन, पुस्तक, आदि) और उनके संस्कृत अर्थ, चित्र और एक-एक वाक्य बनाकर चार्ट या कॉपी में प्रस्तुत करें।

5. सुभाषित लेखन व चित्र संयोजन

कार्य: कोई 2-3 संस्कृत सुभाषित (श्लोक) चुनकर उनका हिन्दी अर्थ लिखें और उनके अनुसार एक चित्र बनाएं या चिपकाएं।

निम्नलिखित गीत को ध्यान पूर्वक सुनकर लय में गाकर याद करे

[HTTPS://YOUTU.BE/CE8GAUPOOCG?FEATURE=SHARED](https://youtu.be/CE8GAUPOOCG?feature=shared)

(सभी विद्यार्थी संस्कृत की प्रतिज्ञा और प्रार्थना याद करे)

SUMMER VACATION HOMEWORK FOR CLASS 9TH

SUBJECT- SOCIAL SCIENCE

1. History – The French Revolution

Activity:

Create a Comic Strip

Draw a comic strip showing the key events of the French Revolution (e.g., Storming of the Bastille, Declaration of the Rights of Man). Use dialogues to show what the people might have said.

Materials Needed: Drawing sheet or notebook, colours.

2. Geography – India: Size and Location

Activity:

Map Marking Challenge

On an outline map of India, mark the Tropic of Cancer, Standard Meridian, neighbouring countries, and major states. Use a different colour for each feature.

3. Political Science – What is Democracy? Why Democracy?

Activity:

Group Interview Project (Can be done with family or friends)

Ask 3 people what democracy means to them. Record their answers and write a short reflection: "Is their understanding similar to what we studied?"

4. Economics – The Story of Village Palampur

Activity:

Mini-Report: My Village/Town

Write a short report (150 words) comparing your village or town with Palampur in terms of farming, transport, electricity, and markets etc.

Project work:-

Every student must undertake one project on **Disaster Management** .

Instructions:-

1. The Project Report can be handwritten in punch sheet Paper Size paper.
2. make Cover page with Title name, school Name, student name, Class, Roll Number.
3. Give Introduction Brief about disaster management, Details of the Disaster: Causes, Effects, Areas affected, Example of a real disaster event , Lessons learned and importance of disaster management.
3. Use pictures, diagrams, or maps wherever possible, Add headings, subheadings, and bullet points for clarity.
4. Project Length should be 12–15 pages (including pictures)