

**HOLIDAY HOMEWORK**

**CLASS IX(2024-25)**

<b>SUBJECT</b>	<b>HOLIDAY HOMEWORK</b>
<b>ENGLISH</b>	<p><b>Q1</b> Write a journal for two weeks. Apart from the daily routine, the daily record must focus on your efforts to ensure a productive day. You may include activities executed for physical and mental wellness; for the environment; time spent with family; learning any new skill.</p> <p><b>Q2.</b>Self Composed Poem: Compose a poem of the following themes: Travel, Environmental conservation, School life .</p> <p><b>Q3.</b>Book Review:  Read a book and write a review of about 150 to 200 words.</p> <p>Points to be mentioned:</p> <ul style="list-style-type: none"><li>• title, author, publisher, date, genre, Highlight any notable aspects,good or bad, of the book’s design and production.</li><li>• What is the Style (casual, formal, light, humorous, serious, scholarly, point of view.</li><li>• Was it easy or difficult to read? Fun and rewarding to read?</li></ul> <p><b>Q4</b> Write synonyms of the difficult words (15 at least) of the following chapters and poems:</p> <ul style="list-style-type: none"><li>• The Fun They Had</li><li>• The Road Not Taken</li><li>• The Sound of Music</li><li>• The Wind</li></ul> <p>Make contextual use of one word (any synonym) to depict your understanding of the word.</p> <p><b>Make a separate file for the same.</b></p>

समूह-1(ROLL NO. 1 TO 10) : किसी मजदूर, सब्जी वाले या फुटपाथ पर रेहडी लगाने वाले व्यक्ति का साक्षात्कार लेकर उसके जीवन में आने वाली विभिन्न समस्याओं को पहचानिए एवं उन समस्याओं का क्या समाधान हो सकता है? इस पर विचार- विमर्श के साथ साक्षात्कार लीजिए। साक्षात्कार के समय संबंधित व्यक्ति के साथ फोटो लेते हुए उसकी रिपोर्ट तैयार कीजिए। आपने उनका साक्षात्कार लिया है, इस आशय के प्रमाण पत्र पर उनके हस्ताक्षर लीजिए।

सीखने के उद्देश्य -

- \* अपने आसपास के लोगों की समस्याओं की जानकारी करवाना।
- \* साक्षात्कार की पद्धति को समझना
- \* श्रवण कौशल का विकास करवाना
- \* स्वयं की प्रश्नावली तैयार करवाना

मापदंड-

- \* प्रश्नों की गुणवत्ता – 2.5
- \* रिपोर्ट का लेखन – 2.5
- \* प्रस्तुतिकरण- 2.5
- \* आत्मविश्वास- 2.5

समूह 2(ROLL NO.11 TO 20) -अपने पाठ्यक्रम में निहित कहानी 'तुम कब जाओगे अतिथि' या किसी भी कविता को लेकर उससे संबंधित किसी अन्य कहानी को अपने शब्दों में लिखकर कथन पद्धति द्वारा अपनी आवाज में उसे रिकॉर्ड कर प्रस्तुत करें।

सीखने के उद्देश्य-

- पाठ को रूपांतरित करवाना।
- कथाकथन पद्धति का विकास
- तकनीक कौशल का विकास
- भाषा प्रयोग की जानकारी

**HINDI**

मापदंड -

तकनीक का कुशलता पूर्वक प्रयोग- 2.5

कहानी कहने की पद्धति- 2.5

आवाज - आरोह, अवरोह – 2.5

प्रस्तुतिकरण, आत्मविश्वास – 2.5

समूह -3 (ROLL NO.21TO 30)- 'एवरेस्ट मेरी शिखर यात्रा' पाठ को आधार में रखते हुए एवरेस्ट की एवं उस पर पर्वतारोहण करने वाले विभिन्न पर्वतारोहियों की जानकारी एकत्रित कर उससे संबंधित चित्र,वीडियो और जानकारी को PPT के द्वारा प्रस्तुत करना।

सीखने के उद्देश्य-

- \* एवरेस्ट की जानकारी करवाना
- \* पर्वतारोहण के विषय में जानना
- \* एकत्रित की जानकारी को प्रस्तुत करने की कला का विकास
- \* तकनीक के प्रयोग का विकास

मापदंड-

\* जानकारी का एकत्रीकरण -2.5

\* प्रस्तुतिकरण, आत्मविश्वास -2.5

\* ज्ञान - 2.5

\* तकनीक का प्रयोग -2.5

समूह 4(ROLL NO. 31 TO 40)- 'शुक्रतारे के समान' पाठ को पढ़ते हुए इस प्रकार के देशभक्ति पर आधारित पाठ पर पोस्टर बनाएँ एवं पोस्टर में निहित संदेश को लिखते हुए उस पर सुविचार, नारे या कविता का लेखन कीजिए।



**3. Physics Concept Comic Strip Creation:**

**a. Students are tasked with creating a comic strip (using the CANVA app) that illustrates a physics concept of their choice. They can choose from topics covered in their curriculum or explore something new. The comic strip should effectively convey the physics concept creatively and engagingly.**

**Submission Guidelines:**

- Assignments should be neatly organized and submitted in a folder or digital format.**
- Each task should be clearly labelled with its corresponding title and number.**
- All written explanations should be concise and clear, demonstrating a solid understanding of the physics principles involved. Assessment Criteria:**
  - Creativity and originality in approach.**
  - Clarity and accuracy in explanations.**
  - Depth of understanding demonstrated in experiments and observations.**
  - Engagement with the tasks and completion of all components.**

**This holiday homework assignment not only reinforces the concepts taught in class but also encourages students to explore and appreciate the presence of physics in their surroundings.**

**\*\*\*\*\***

**CHEMISTRY HOLIDAY HOMEWORK- 2024-2025**

**Topic: "Chemistry Journey: Characteristics and physical properties of matter and its states from Everyday Life"**

**Chemistry in Everyday Life" is a captivating voyage into the realm of chemistry and its properties, where we uncover the fascinating interplay between Characteristic and physical properties of matter and its state from our daily experiences. Through this expedition, we embark on a journey to reveal the hidden wonders and applications of chemistry in our everyday lives. The characteristics of matter manifest in numerous ways throughout our everyday life activities, influencing our experiences and interactions with the world around us.**

**Make your own video:**

**Students prepare a short video with respect to taking in consideration any two properties given below a video needs to be made.**

**The characteristics of matter**

**Properties of states of matter**

**Size and Shape**

**Intermolecular force of attraction**

**Compressibility**

**Density**

**Fluidity / rigidity**

**Change of State of matter based on temperature and pressure.**

**taking in consideration any one properties given below a video needs to be made.**

**Freezing and melting**

**Evaporation**

**Condensation**

**Sublimation**

**Submission details:**

**Students should record the video in uniform while performing the activity.**

**Students should introduce herself/himself with detail explanation of the topic in the video while recording.**

**Students should upload the video in the below mentioned link in the respective class folder.**

**Link: [https://drive.google.com/drive/folders/1trHuXzcviTv-o5ZqyuH8u0Paw-Lauxga?usp=drive link](https://drive.google.com/drive/folders/1trHuXzcviTv-o5ZqyuH8u0Paw-Lauxga?usp=drive_link)**

**Learning Outcomes:**

**Understanding States of Matter: Students will develop a clear understanding of the three states of matter - solid, liquid, and gas - including their characteristics, properties, and differences.**

**Observation and Classification: Through sorting games and hands-on experiments, participants will practice observing and classifying objects and substances based on their states of matter.**

**Conceptual Understanding: Activities such as melting, freezing, evaporation, and condensation demonstrations will help participants grasp abstract concepts related to phase changes and thermal energy transfer.**

**Critical Thinking Skills:** Students will engage in critical thinking as they analyse the factors influencing state changes, such as temperature, pressure, and environmental conditions.

**Practical Applications:** Students will gain insights into the practical applications of states of matter in everyday life, industry, and technology, such as in

cooking, construction, and climate control.

**Inquiry and Curiosity:** Encouraging curiosity and inquiry-driven learning, participants will develop a sense of wonder and curiosity about the world around them, inspiring further exploration and discovery.

### **BIOLOGY HOLIDAY HOMEWORK 2024-25:**

Prepare a write up by selecting any one topic **BY SELECTING ANYONE TOPIC-**

#### **PROJECT 1-**

**Water is one of the natural resources. River water is the source of fresh water and is very important for a sustained life. We need fresh water for drinking, cooking, and washing. Not only human beings, animals as well as fishes, aquatic plants are dependent on clean river water. But it gets polluted as it travels down.**

**1.locate 5 rivers that originate from an unpopulated hill and has its downstream**

**passes through a town.**

**2.Find the causes/sources of water pollution**

**3.Effects of water pollution**

**4.Control measures of water pollution.**



**Project -2**

**Not only does atmosphere contain the oxygen we need to live, but it plays a crucial role for living being.**

- 1.What if there is no atmosphere?**
- 2.Causes of air pollution**
- 3.How smog, soot, greenhouse gases, and other top air pollutants are affecting the planet—and your health.**
- 4.Air pollutants have a complex relationship with climate change.**
- 5.Control measures of air pollution**

**PROJECT - 3**

**Biogeochemical cycles help in the regulation of natural elements that are necessary for living beings, by channeling through physical and biological phenomena. It acts as a recycling procedure in nature.**

- 1. How do biogeochemical cycles affect the environment?**
- 2. How human activities can cause an imbalance in biogeochemical cycling?**
- 3. What can you do to reduce your impact on the various biogeochemical cycles?**

**Any art integrated activity related to above to be done. Poster, poem, role play, song (video)....etc .**

**MATHS**

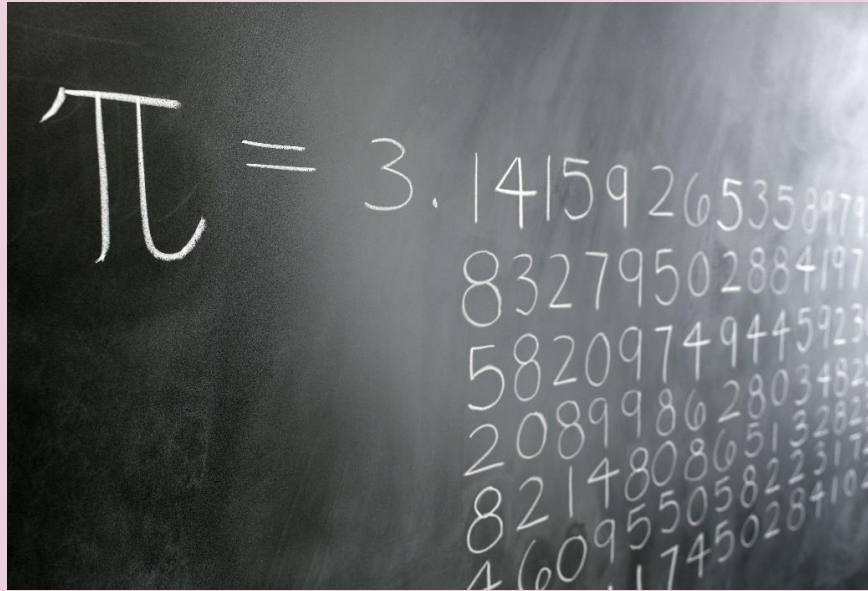
**Army Public School, Ahmednagar  
IX Mathematics  
Holidays learning Assignment**

**General Instructions:**

- a. The holiday assignment should be done in a file.  
Certificate of acknowledgment , Index, Project Heading , project aim followed by project.
- b. In Projects/assignment clearly mention your mathematical learnings or any other subject learnings.
- b. Attach photos of the models (working or static) with you (preferred in uniform).
- b. Mention the reference (books, article, blog, video, Any elder resource person etc..) used.

**Attempt any two of the following:-**

1. Prepare a Project File on the history of Pie ( $\pi$ ) and correlate Pie ( $\pi$ ) in real life situations



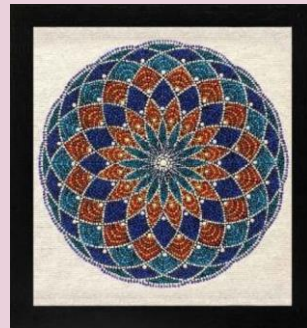
Take four strings of different sizes and paste each of them in a circular form on a plane paper to form four circles. Prepare a table as given below to find the value of  $\pi$  .

Circle Numbers	c (circumference)	d (diameter)	c/d
1			
2			
3			
4			
			Average =

Q 2) Take any three temples observe thoroughly their construction work that how mathematics is used in their construction . Prepare a project file on it.



2. Depict some paintings like Madhubani, Basohli and evaluate such paintings mathematically.



Q4) Create a comic book or PowerPoint presentation (comic form only) on a mathematical topic that you have studied.

For reference :

1. <https://drive.google.com/file/d/1iGVrruJU-lqXMMspa7RvDyT7taEh54Hl/view?usp=sharing>

2. [https://drive.google.com/file/d/1iDleBUzNGIm6ske3pZ2iozz\\_FQbT7HPT/view?usp=sharing](https://drive.google.com/file/d/1iDleBUzNGIm6ske3pZ2iozz_FQbT7HPT/view?usp=sharing)

**ALL STUDENTS MUST ACCOMPLISH THE FOLLOWING ASSIGNMENTS:**

**1] ELECTION MANIA 2024\***

**Make a collage covering the landmark events of 2024 General Elections.  
It should include both headlines and pictures.  
Use half chart paper for the same.**

**2] MAP SKILL\***

**On a Physical map of India , mark all the physical divisions as per Chapter 2 ( Geography).  
Also locate the important  
peaks of the Himalayas , Western and Eastern Ghats.**

**On a political map of India ,mark the states and their capitals along with the Union Territories.**

**SOCIAL  
SCIENCES**

**3] NATURAL VEGETATION AND WILDLIFE\*  
( Roll no 1-20)**

	<p><b>My Scrapbook :</b> Collect information about various types of Natural Vegetation across the world. Compare the similar vegetation found in different parts of the world with that of India.</p> <p>Roll no (21 onwards)</p> <p><b>My Scrapbook:</b> Collect information and data about the Wildlife in different parts of the world. Find out about some endangered species and suggest steps to conserve them .</p> <p>4) FRAME YOUR OWN MCQs*</p> <p>Read all the chapters covered so far thoroughly and design a challenging objective questionnaire ( minimum 20 questions )</p>
<b>SANSKRIT</b>	<p><b>ग्रीष्म अवकाश गृहकार्य (2024- 25)</b></p> <p><b>कक्षा - 9वी</b>                      <b>विषय - संस्कृत</b></p> <p>*पाठ्य-पुस्तक से कोई भी चार श्लोक कंठस्थ कीजिए व कक्षा कार्य कापी में लेखन कीजिए ।</p> <p>* संस्कृत पाठों पर आधारित दी गई कार्यपत्रिका को हल कीजिए।</p> <p><b>उद्देश्य - 1.संस्कृत भाषा प्रयोग को प्रभावी बनाना ।</b></p>

2.मौखिक अभिव्यक्ति कौशल का विकास कराना ।

3.तथ्यों को संदर्भ में जोड़ कर आसानी से समझने में मदद करना ।

4. लेखन एवं वाचन कौशल का विकास करना ।

5. चिंतन - मनन का विकास करना ।

**सीखने के परिफल -**

1. विद्यार्थी संस्कृत भाषा की बारीकियों पर ध्यान देते हुए अपनी आम-बोल चाल की भाषा की तरह इस्तेमाल कर सकेंगे।

2. कल्पना शक्ति व आत्मविश्वास का विकास होगा ।

3. श्लोकों का सस्वर वाचन कर शुद्ध उच्चारण पर ध्यान रख सकेंगे।

4. शब्दों के उचित प्रयोग से नए शब्दों का ज्ञान होगा ।

दिए गए ग्रह कार्य का अनिवार्य रूप से अभ्यास कीजिए तथा कक्षा में वाचन कौशल के लिए तैयार कीजिए । श्लोकों को अंतरकक्षा प्रतियोगिता हेतु तैयार कीजिए ।