



NAVY CHILDREN SCHOOL, GOA  
HOLIDAY HOMEWORK AY 2024-2025

DATE OF SUBMISSION: 10 th July 2024

Submission of homework to be done on A 4 sheets or as instructed by the subject teacher

GRADE X	
ENGLISH	<p><b>I. Write and prepare ASL- Speaking Skills Topics</b></p> <ol style="list-style-type: none"><li>1. My favourite Travel Destination</li><li>2. The Need of Discipline in Life</li><li>3. Impact of Smartphones</li><li>4. My Dream Job</li><li>5. Music has the power to heal</li><li>6. Child Labour</li><li>7. Man and Environment</li><li>8. The habit of reading never leaves us alone</li><li>9. Real learning through experience.</li><li>10. Laughter is the best medicine</li><li>11. Artificial Intelligence</li><li>12. Sports and Sportsmanship</li></ol> <p><u>Instructions:</u></p> <ul style="list-style-type: none"><li>· Students will choose any one topic of their choice.</li><li>· Prepare a 1-2 min speech which will be delivered once the school reopens after summer vacation.</li><li>· Keep a hard copy of the speech ready to submit to your teacher once the school reopens. (Please note that your Term 1 Subject Enrichment marks will be based on the speech.)</li></ul> <p><b>II. Prepare illustrative presentations</b> on any one of these suggestive poems or any other poem of your choice.</p> <p>The content can be presented with the help of PPTs, charts, flashcards etc.</p>





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	<p>Note: This is an individual task. Please DO NOT present the content in bullet points. Please write in paragraphs.</p> <p>List of suggestive poems:</p> <ol style="list-style-type: none"><li>1. Watching for Dolphins</li><li>2. The Frog and the Nightingale</li><li>3. The Tyger</li><li>4. I Wandered Lonely as a Cloud</li><li>5. We Real Cool</li><li>6. Mirror</li></ol> <p><b>What needs to be included in the individual presentations?</b></p> <ol style="list-style-type: none"><li>1. Literal Meaning and Theme</li><li>2. Title – How is the title related to the poem?</li><li>3. Tone</li><li>4. Structure</li><li>5. Sound and Rhythm</li><li>6. Language and Imagery/Symbolism</li></ol>
HINDI	<ul style="list-style-type: none"><li>● दयालु होना कठिन है लेकिन बेहतर है ।</li><li>● कोशिश करने वालों की कभी हार नहीं होती ।</li><li>● सब दिन होत न एक समान</li><li>● विपरीत परिस्थितियों में भी अपना स्वभाव नहीं बदलना चाहिए ।</li><li>● विपत्ति के समय साहस से काम लें</li></ul> <p>ऊपर दिए गए विषयों पर कथा लेखन अपनी रचनात्मकता , सृजनात्मकता व कल्पना शक्ति का प्रयोग करते हुए करें । अवकाश के बाद इनमें से कोई भी एक कहानी अभिनय व हाव-भाव के साथ सुनानी है , जिसके अंक वाचन कौशल के लिए (टर्म-1) दिए जाएंगे ।</p> <p>** इस बात का विशेष ध्यान रखें कि कहानी स्वरचित हो ।</p> <p>हरिहर काका - पाठ से प्राप्त नैतिक , सामाजिक व व्यावहारिक जीवन मूल्यों</p>



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	को अपने शब्दों में लिखें। (120 से 150 शब्द)
SANSKRIT	<p>1.स्वास्थ्य के लिए कैसी दिनचर्या श्रेयस्कर है? आप अपनी दिनचर्या का वर्णन संस्कृत समयसूचक शब्दों का प्रयोग करते हुए संवादात्मक वीडियो के रूप में कीजिए। संवाद अपने मित्र, सहपाठी व किसी अन्य से भी कर सकते हैं।</p> <p>यथा- * ओम- अहम् प्रातः पञ्चवादने उतिष्ठामि ईश्वरम् नमामि च। </p> <p>हरि - अहम् अपि .....।</p> <p>2.किसी सुंदर प्राकृतिक दृश्य का चित्र नोटबुक में चिपका कर संस्कृत में पाँच से दस वाक्यों में चित्र वर्णन करना।</p> 
MATHS	<p>A.Click on to the link for homework <a href="https://in.docworkspace.com/d/sINn6qvgmqbS9sQY">https://in.docworkspace.com/d/sINn6qvgmqbS9sQY</a></p> <p>B. Make a crossword puzzle using mathematical terms (Refer to the sample below)</p>



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**Objective**  
To play with crossword puzzle using mathematical terms:

**Directions**

ACROSS →	DOWN ↓
1. The measure of uncertainty is called _____.	2. The distance of a point from $x$ -axis is called its _____.
7. The line drawn from the eye of an observer to the point in the object viewed by the observer is called _____.	3. A quadratic equation $ax^2 + bx + c = 0$ has _____ equal roots, if $b^2 - 4ac = 0$ .
9. The common point of a tangent and circle is called point of _____.	4. Vertical cross section of a right circular cylinder is always a _____.
10. A tangent to a circle intersects it in _____ point(s).	5. The probability of impossible event is _____.
11. The mathematical instrument which is used for measuring the angle of elevation/ depression of an object is called _____.	6. Two or more circles having same centre is called _____.
12. The distance of a point from $y$ -axis is called its _____.	8. Part of the circular region enclosed between two radii and corresponding arc is called _____.

SCIENCE

**Journal work to be completed as instructed by the teachers.**

**Sample will be uploaded on MST**

**BIOLOGY JOURNAL**

1. To prepare a temporary mount of leaf peel to show stomata.
2. To experimentally show that carbon dioxide is given out during respiration.
3. Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides.
4. Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).

Write Aim, Materials Required, Procedure, Observation, Diagrams, Result, Precautions. Do Not write Theory.  
(Follow the instruction as given in the class)



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Date of Submission 28 June 2024.

**PHYSICS JOURNAL**

1. Determination of the focal length of a Concave mirror by obtaining the image of a distant object.
2. Determination of the focal length of a Convex lens by obtaining the image of a distant object.
3. Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, and angle of emergence and interpret the result.
4. Tracing the path of the rays of light through a glass prism.
5. Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also, plot a graph between V and I.
6. Determination of the equivalent resistance of two resistors when connected in series.
7. Determination of the equivalent resistance of two resistors when connected in parallel.
  - Write Aim, Materials Required, Theory, Observation (on a blank page with pencil), Diagrams (on a blank page with pencil), Result, Precautions. Do Not write Procedure.
  - Don't make any entry in the index. Do not write any date anywhere.
  - ❖ Click pictures of the uses of a plane mirror, concave and convex mirror as and when you visit a dentist, a jewellery shop, as and when you travel in a vehicle or at sharp turns. Click your image at different distances from the optical centre and observe the difference. Tabulate your



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observations.

**CHEM JOURNAL**

1. A. Finding the pH of the following samples by using pH paper/universal indicator: (i) Dilute Hydrochloric Acid (ii) Dilute NaOH solution (iii) Dilute Ethanoic Acid solution (iv) Lemon juice (v) Water (vi) Dilute Hydrogen Carbonate solution  
  
B. Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with: a) Litmus solution (Blue/Red) b) Zinc metal c) Solid sodium carbonate
2. Performing and observing the following reactions and classifying them into: A. Combination reaction B. Decomposition reaction C. Displacement reaction D. Double displacement reaction (i) Action of water on quicklime (ii) Action of heat on ferrous sulphate crystals (iii) Iron nails kept in copper sulphate solution (iv) Reaction between sodium sulphate and barium chloride solutions
3. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions: Unit-I i)  $ZnSO_4(aq)$  ii)  $FeSO_4(aq)$  iii)  $CuSO_4(aq)$  iv)  $Al_2(SO_4)_3(aq)$  Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.
4. Study of the following properties of acetic acid (ethanoic acid): Unit- I i) Odour ii) solubility in water iii) effect on litmus iv) reaction with Sodium Hydrogen Carbonate
5. Study of the comparative cleaning capacity of a sample of soap in soft and hard water

Write Aim, Materials Required, Observation (on a blank page with pencil), Diagrams (on a blank page with pencil), Result, Precautions(any 2). **Do Not write Procedure and theory.**



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SOCIAL STUDIES	<p>Geography:</p> <ol style="list-style-type: none"><li>1. Explain with the help of images/pictures any five human activities accountable for Land degradation in India.</li><li>2. Explain the interdependent relationship between nature, technology and institution.</li></ol> <p>History- Write the role of any newspaper or any literary work which was published during India's freedom struggle.</p> <p>Economics -</p> <ol style="list-style-type: none"><li>1. Assignment on " Consumer Rights".</li></ol>
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