

**PD.A.V PUBLIC SCHOOL, KALINGA NAGAR, BHUBANESWAR - 29**  
**SUMMER VACATION HOLIDAY HOMEWORK 2026-27**  
**CLASS - IX**

<b>SUBJECT</b>	<b>HOME WORK</b>
<b>ENGLISH</b>	<ol style="list-style-type: none"> <li>1. CH- HOW I TAUGHT MY GRANDMOTHER TO READ: 1. Project- "Each one teach one". Take photographs, ask questions through questionnaires and attach all evidence in CBSE ASSIGNMENT Note Book.</li> <li>2. Prepare a concept map ( Take help of AI) from the poem-Bharat Our land. Do it in CBSE Assignment Note Book.</li> <li>3. Letter to Editor: 2 Nos. from any Sample paper.</li> <li>4. Read &amp; revise the chapters covered in class thoroughly.</li> </ol>
<b>MATHEMATICS</b>	<p>1. complete all the exercise from NCERT and Exemplar book of 1st Chapter coordinate Geometry.</p> <p>2. Draw 5 different figures in cartesian plane and find its reflection Along (i) x-axis. (ii) y-axis in laboratory copy.</p> <p><b>Coordinate Map of My Home"</b></p> <p><b>Concept:</b> Real-life application of coordinate plane</p> <ul style="list-style-type: none"> <li>● Draw a rough layout of your house.</li> <li>● Assign a coordinate system (e.g., entrance = (0,0)).</li> <li>● Mark positions of rooms, furniture, etc. with coordinates.</li> </ul> <p><b>Rangoli with Coordinates"</b></p> <p><b>Concept:</b> Symmetry and quadrants</p> <ul style="list-style-type: none"> <li>● Design a rangoli pattern on graph paper using coordinates.</li> <li>● Ensure symmetry across axes (x-axis / y-axis).</li> </ul>
<b>PHYSICS</b>	<ol style="list-style-type: none"> <li>1. A project on UNITS AND SYSTEM OF MEASUREMENTS in a stick file.</li> <li>2. 25 extra numericals on distance, displacement, speed, velocity and acceleration.</li> <li>3. Draw graphs for the following cases taking your own data -             <ol style="list-style-type: none"> <li>a. Position - time graph,</li> <li>b. Velocity - time graph,</li> </ol> <p style="text-align: right;">choosing proper scale.</p> </li> </ol>
<b>CHEMISTRY</b>	<ol style="list-style-type: none"> <li>1. Write and learn the symbols, its atomic number of the first 30 elements as per the periodic table.</li> <li>2. Differentiate: i) Compounds and Mixtures ii) Homogeneous and Heterogeneous mixtures</li> <li>3. Project in A4 size paper: Collect and Paste pictures of recent invention in chemistry and the person involved.</li> </ol>

<p style="text-align: center;"><b>BIOLOGY</b></p>	<ol style="list-style-type: none"> <li>1. Make an AI based model for cell and it's components.</li> <li>2. Collect atleast 20 examples each of Diffusion and Osmosis from your daily life</li> <li>3. Do an activity “effect of Hypotonic, Hypertonic nd Isotonic solution on cell shape, size and weight”. Write the Activity in CW copy and paste photos of the same.</li> </ol>
<p style="text-align: center;"><b>HISTORY/POL SC</b></p>	<ul style="list-style-type: none"> <li>● In the outline map of India, locate and label Harappan sites</li> <li>● In the outline of India and the world, locate and colour the river valley civilizations</li> <li>● Write a report on Paleolithic, Neolithic, Chalcolithic, and Mesolithic developmental features</li> <li>● Prepare a PPT on 5 democratic countries of the world and write the election system followed in those countries.</li> <li>● Collect the election results of 2026 in West Bengal and Assam, and make an analyses</li> </ul>
<p style="text-align: center;"><b>GEOGRAPHY</b></p>	<p>With the help of AI show in a video the movement of plate tectonics and subsequent new landforms.</p> <p>Paste pictures of landforms formed by weathering and Erosion.</p>
<p style="text-align: center;"><b>ECONOMICS</b></p>	<p>Think yourself as an Entrepreneur and launch one product in the market with specifying product details.</p>
<p style="text-align: center;"><b>ODIA</b></p>	<ol style="list-style-type: none"> <li>1. Rachanaa _ Aadhunika bishwa o computer, Paribesha surakhyaare chaatrara bhumikaa, Saahitya paathara upaadeyataa ( to be written in essay copy.)</li> <li>2. Write all the q/ans of JATEEYA JEEVANA in the class work copy.</li> <li>3. Write all the examples of SWARA SANDHI given in the grammar book in your grammar copy.</li> <li>4. Project _ Prepare a PPT on KAAHAA MUKHA ANAAI BANCHIBI with the help of AI and send it to the mail i.d of your Odia teacher.</li> </ol>

	<p>5. Read Odia newspaper every day and paste at least five newspaper cuttings in your Odia Essay Copy containing the news/write_ups which have some values .</p>
<b>HINDI</b>	<p>1 Project -Prepare a PPT on small scale industry of odisha and maharashtra.</p> <p>2 All Q/A of lesson 'Do bailon ki katha' and 'Raidaas ke pud'</p> <p>3 Paragraph writing - write 10 anuched in 100 to 120 words.</p> <p>4. path do bailon ki katha mein aye muhavre aur unkaa arth.</p>
<b>SANSKRIT</b>	<p>1.WRITE ALL THE SHABDAS GIVEN BELLOW</p> <p>LEARN AND WRITE 2 TIMES- वालक, देव, वालिका, लता, कवि, मुनि, साधु, गुरु, पितृ, मातृ, भवतृ, राजन्, विद्वत्,</p> <p>सर्वनाम शब्द - अस्मद्, युष्मद् ,(तद्, एतद्, किम्, इदम्) तिनों लिङ्गों में</p> <p>2. WRITE ALL THE DHATU RUPAS GIVEN BELLOW</p> <p>WITH 5 LAKARAS</p> <p>LEARN AND WRITE 2 TIMES - पठ् , गम् ,भू , लिख् ,कृ ,नी ,दृश् , वद् , कथ् , स्था , अस् , पा ,दा , लभ् ,सेव्</p> <p>3.MATCH THE KARTUPADA KARMAPADA AND KRIYAPADA ALSO WITH THE HELP OF ABOVE SHAVDA AND DHATU.</p> <p>4. DO THE 10 NOS OF UNSEEN PASSAGES FROM MANIKA ABHYASAPUSTIKA .</p> <p>5. DO THE 10 NOS OF PATRALEKHANAM FROM MANIKA ABHYASAPUSTIKA.</p> <p>6. DO ONE ART INTEGRATED PROJECT OF ALL THE SAVDA CHAKRIKA. (WITH THE HELP OF AI)</p>

	7. DO ONE ART INTEGRATED PROJECT OF ALL THE DHATU CHAKRIKA CHAKRIKA.(WITH THE HELP OF AI)
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