



# SANT NANDLAL SMRITI VIDYA MANDIR, GHATSILA

## SYLLABUS - STD.IV SESSION – 2025-2026 SUBECT – SCIENCE



Month	Working days	Topics to be taught	Activities/Art Integrated Activities	Learning Outcomes	Values And Skills Imparted	Assessment
April	21	<b>Ch -1 The Green Plants</b> <ul style="list-style-type: none"> <li>✓ parts of a leaf</li> <li>✓ how do plants make their food?</li> <li>✓ interdependence of plants and animals.</li> </ul>	1. Visit to school garden. 2. Make charts on i) structure of leaf and presence of stomata. ii) photosynthesis and parts of plant. iii) unusual plants 3. Starch iodine test	1. Value of green plant in nature 2. Importance of photosynthesis	1. Caring for plants 2. Importance of both plants and animals to maintain balance in nature <b>Skill:</b> - planting saplings	Learning outcomes assessment (LOA)- MCQ
April May	9	<b>Ch-2 Plant Adaptation</b> <ul style="list-style-type: none"> <li>✓ Terrestrial plants</li> <li>✓ aquatic plants</li> <li>✓ insectivorous plants</li> <li>✓ Non green plants</li> <li>✓ Parasitic plants</li> </ul>	1. Paste pictures of different plant adaptations and write about it in scrapbook. Divide the class into three teams. Each team will prepare scrapbook on plants (terrestrial, aquatic, unusual)	1. Identify various Types of habitats. 2. Distinguish plants on basis of habitats	To survive in nature, we all need to adapt new things in life <b>Skill:</b> - Growing plants in respective habitat.	LOA Oral evaluation.





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SEPTEMBER	2 1	CH-8 CLOTHES-OUR BASIC NEED	1. Collect pictures of different states of India wearing different clothes. 2. Activity on which cloth fiber	1. knowledge about types of clothes according to season and weather.	1. Caring for plants and animals as they use fibers. 2. Sharing with others <b>Skill:-</b> Proper way to take	Oral test LOA

		<b>Ch-9 Weather, water and air</b> <ul style="list-style-type: none"> <li>✓ The sun and weather</li> <li>✓ What causes day and night</li> <li>✓ Why do we have seasons?</li> <li>✓ How do winds blow?</li> <li>✓ Air</li> <li>✓ Sea breeze and land breeze</li> <li>✓ Water</li> <li>✓ Evaporation, condensation,</li> <li>✓ Water cycle</li> <li>✓ Water purification</li> <li>✓ Save water</li> </ul>	<p>dries fast and make a table</p> <p>Identify and paste different types of natural fibres and man-made fibres in scrapbook.</p> <p>1.Make water cycle picture on chart paper with labelling.</p> <p>2.Draw and label sea breeze and land breeze.</p> <p>3.Demonstration of sedimentation, decantation and filtration.</p>	<p>2.Learn about Features of natural and artificial fibres</p> <p>3.How to care for clothes.</p> <p>1.Idea about weather and climate.</p> <p>2.Knowledge of water vapour, humidity, condensation, precipitation, groundwater</p> <p>3.How land breeze and sea breeze occur?</p>	<p>care of our clothes.</p> <p>1.Water and atmosphere is precious</p> <p>2.Save water and do not pollute air.</p> <p><b>Skill:-</b> conservation of water..</p>	<p>LOA</p> <p>Poster making to solve the shortage of clean water</p>
October	18	<b>Ch-10 Solar System</b> <ul style="list-style-type: none"> <li>✓ Stars</li> <li>✓ Sun and its family</li> <li>✓ Movements of the Earth</li> <li>✓ Satellites</li> </ul>	<p>1.Make solar system using balls</p> <p>2.Make chart of artificial satellites., the year they were launched and their main functions. Collect their pictures and paste them.</p>	<p>1.To gain knowledge about solar system, stars, dwarf planet.</p> <p>2.Know about natural satellite and its uses.</p>	<p>Love for mother earth</p> <p><b>Skill:-</b> Ability to identify important stars in night sky.</p>	<p>LOA</p> <p>Diagram based quiz</p>
November	23	<b>Ch-11 Keeping the Earth green</b> <ul style="list-style-type: none"> <li>✓ Importance of trees</li> </ul>	<p>1.Pictures of various activities to be pasted and write it is</p>	<p>1.Knowledge of plants and its</p>	<p>Save and love environment</p>	<p>Worksheet assessment (CM)</p>



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		<ul style="list-style-type: none"> <li>✓ Deforestation</li> <li>✓ Saving trees</li> </ul>	<p>destructive or constructive in nature</p> <p>2.Make pen stand or photo frame from Cartoon or cup.</p> <p>3.Make poster on save trees.</p>	importance.2.Conser vation of trees.	<b>Skill</b> -Cleanliness	LOA
<b>December</b>	<b>19</b>	<b>Ch-12 Soil</b> <ul style="list-style-type: none"> <li>✓ Formation of soil</li> <li>✓ Soil composition</li> <li>✓ Soil profile</li> <li>✓ Soil erosion</li> <li>✓ Soil conservation</li> </ul>	<p>1.Collect different soil samples from garden to observe layers of soil in it.</p> <p>2. Make poster to spread awareness on soil conservation. Write catchy slogans too.</p>	<p>1.To learn about types, layers of soil.</p> <p>2.Knowledge of soil erosion, soil conservation</p>	<p>Perseverance</p> <p>Save natural resources.</p> <p><b>Skill</b>-Practices to conserve soil.</p>	<p>Make a chart on various ways of soil conservation.</p> <p>LOA(GROUP ACTIVITY)</p>
<b>January</b>	<b>22</b>	<b>Ch -13 Solid,Liquid and Gas</b> <ul style="list-style-type: none"> <li>✓ Matter and States of matter</li> <li>✓ Changing States of matter</li> <li>✓ Physical and chemical Changes</li> <li>✓ Dissolving solids in water Solution solvent</li> </ul>	<p>1.Special Birthday card making by showing solid, liquid and gas.</p> <p>2.Show with a diagram how solution is formed.</p>	<p>Knowledge of various States of matter and their changes.</p>	<p>1.Everything in nature has different properties according to their need.</p> <p>2.Importance of sun for us.</p> <p><b>Skill</b>:- 1.performing change of state of matter.</p> <p>2.Making simple and useful solutions in everyday life</p>	<p>LOA</p> <p>Group Discussion</p>

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<b>February</b>	<b>22</b>	<b>Ch-14 Force, energy and Work</b> <ul style="list-style-type: none"> <li>✓ Force and its types</li> <li>✓ Energy and its sources</li> <li>✓ Renewable and Non-renewable energy</li> <li>✓ Work and Simple machine</li> </ul> <b>REVISION AND ANNUAL EXAM</b>	1.Take 10 objects and check the amount of friction.  2.Make a chart of simple machines and its implications, you can see in your house and neighboring	To gain knowledge about different types of force, energy, work and machine	1.Team spirit.  2.Respect the work of scientist.  <b>Skill-</b> Scientific usage.How to make toys using simple machines.	LOA  Group Discussion/Written test

**Subject Teacher- MeenakshiAdhikary.**

**Sujata Verma**

**Principal**