



SANT NANDLAL SMRITI VIDYA MANDIR, GHATSILA  
 SYLLABUS - STD.IV  
 SESSION – 2026-2027  
 SUBJECT – SCIENCE



Month	Working days	Topics to be taught	Activities/Art Integrated Activities	Learning Outcomes	Values And Skills Imparted	Assessment
April	23	<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. (Group Activity) 3. Starch iodine test 4. Role Play on Photosynthesis.	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	Learning outcomes assessment (LOA)- MCQ

					saplings	
<b>April</b> <b>May</b>	7	<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>	<p>1.Paste pictures of different plant adaptations and write about it in scrapbook.</p> <p>2.Draw/Paste unusual plants in scrapbook and write two lines about each.</p>	<p>1.Identify various Types of a habitats.</p> <p>2.Distinguish plants on basis of habitats</p>	<p>To survive in nature, we all need to adapt new things in life</p> <p><b>Skill:</b> - Growing plants in respective habitat.</p>	<p>LOA</p> <p>Oral evaluation.</p>
<b>June</b>	12	<b>Ch-3 Animals and their Young ones</b> <ul style="list-style-type: none"> <li>✓ Egg laying animals</li> <li>✓ Birds, fish, frogs, butterfly,</li> </ul>	<p>1.Class project on animals and their lifecycle.</p> <p>2.Visit to lab to see the life cycle of frog and butterfly.</p>	<p>1.Knowledge about which animal gives birth to</p>	<p>1.Kindness towards animals</p> <p>2.Not hurting</p>	<p>LOA</p> <p>Quiz</p>



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		<p>grasshopper and cockroaches, reptiles</p> <ul style="list-style-type: none"><li>✓ Animals that give birth to babies.</li><li>✓ Mammals care for their young ones</li></ul>		<p>babies and which animal lay eggs.</p> <p>2.Learn about structure of egg.</p> <p>3.Learn about life cycle of animal and metamorph osis</p>	<p>and teasing animals.</p> <p><b>Skill: -</b> Protect young ones from enemies.</p>	
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JULY	26	<p><b>Ch-4 Animals Adaptation</b></p> <ul style="list-style-type: none"> <li>✓ Land animals</li> <li>✓ arboreal animal</li> <li>✓ Water animals</li> <li>✓ Amphibians</li> <li>✓ Aerial animals</li> <li>✓ Adaptation for food</li> <li>✓ Adaptation for protection</li> <li>✓ Extinct and endangered animals</li> </ul> <p><b>CH-5 Circulatory system and</b></p>	<p>1. Make a table to show animals as well as their adaptations discuss their habitat-terrestrial, aerial, arboreal, aquatic.</p> <p>2. Role Play on various Adaptations of animals.</p> <p>1. Draw and Label</p>	<p>1. Knowledge of adaptation and habitat of animals for better survival.</p> <p>2. Idea of migration, camouflage, hibernation in animals</p> <p>Knowledge about the</p>	<p>We should keep animals free in environment as they have equal right to live as we have. <b>Skill:-</b> How to protect oneself from enemies. (life skill)</p>	<p>LOA- Concept map</p> <p>LOA</p>



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<b>JULY</b>		<b>excretory system</b>  ✓ Circulatory system ✓ Excretory system	different parts of the circulatory and excretory system and name it. 2.Make a model of circulatory/excretory system.	important role vital organ system play in our body	We should take care of our body and its organs <b>Skills:-</b> How to measure pulse rate of human.	Group Discussion
<b>AUGUST</b>	23	<b>Ch -6 Food –Our basic need</b>  ✓ Why do we need food? ✓ Food groups ✓ Balanced diet	1.Make model of food pyramid. 2.Make a Lemon Pickle/Collect some fenugreek leaves	Knowledge about components of food and their	Food is very precious so we should	LOA Case based questions

		<ul style="list-style-type: none"> <li>✓ Preservation of food</li> <li>✓ Rest posture and Exercise</li> </ul> <p><b>CH-7 DIGESTION OF FOOD</b></p> <ul style="list-style-type: none"> <li>✓ Teeth</li> <li>✓ Structure of teeth</li> <li>✓ Types of teeth</li> <li>✓ Care of teeth</li> <li>✓ Digestive System</li> <li>✓ Microbes</li> </ul>	<p>and dry them.</p> <p>3. Poster making on topic "Eat healthy live long".</p> <p>1. Chart on structure of teeth and care of teeth.</p> <p>2. Model making of structure of tooth.</p> <p>3. Story Telling on Digestive system/Role play.</p> <p>Identify five types famous dishes /cuisines found in Jharkhand. Describe those dishes and mention its nutritional value.</p> <p>Draw / paste</p>	<p>Nutritional values and preservation technique</p> <p>1. Knowledge of different parts needed in digestive system.</p> <p>2. learn about types and functions of teeth, care for teeth.</p>	<p>not waste it. <b>Skill:-</b> Make balanced diet</p> <p>Techniques to preserve food items.</p> <p>Cleanliness and personal hygiene.</p> <p><b>Skill-</b>Eat healthy for proper body.</p>	<p>LOA</p> <p>Fill in the blanks.</p>
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			relevant pictures in scrapbook.			
SEPTEMBER	23	<b>CH-8 CLOTHES-OUR BASIC NEED</b>	<p>1. Collect pictures of different states of India wearing different clothes.</p> <p>2. Identify and paste different types of natural fibres and man-made fibres in scrapbook.</p>	<p>1. Knowledge about types of clothes according to season and weather.</p> <p>2. Learn about Features of natural and artificial fibres</p>	<p>1. Caring for plants and animals as they use fibers.</p> <p>2. Sharing with others</p> <p><b>Skill:-</b> Proper way to take care of our clothes.</p>	Oral test LOA

		<p><b>Ch-9 Weather, water and air</b></p> <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>1.Make water cycle picture on chart paper with labelling.</p> <p>2.Air occupies space(Science Kit Pg-25).</p> <p>3.Demonstration of sedimentation, decantation and filtration.</p> <p>4.Evaporation(Pg-42&amp;43).</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</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>
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				sea breeze occur?		
October	16	<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 Diagram based quiz</p>

<b>November</b>	19	<b>Ch-11 Keeping the Earth green</b> <ul style="list-style-type: none"> <li>✓ Importance of trees</li> <li>✓ Deforestation</li> <li>✓ Saving trees</li> </ul>	1.Plantation drive 2.Make pen stand or photo frame from Cartoon or cup. 3.Make poster on save trees.	1.Knowledge of plants and its importance. 2.Conservation of trees.	Save and love environment  <b>Skill-</b> Cleanliness	Worksheet assessment (CM) LOA
<b>December</b>	19	<b>Ch-12 Soil</b> <ul style="list-style-type: none"> <li>✓ Formation of soil</li> <li>✓ Soil composition</li> </ul>	1.Collect different soil samples from garden to observe	1.To learn about types, layers of	Perseverance Save natural	Make a chart on various ways of soil



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		<ul style="list-style-type: none"> <li>✓ Soil profile</li> <li>✓ Soil erosion</li> <li>✓ Soil conservation</li> </ul>	<p>layers of soil in it.</p> <p>2. Make poster to spread awareness on soil conservation. Write catchy slogans too.</p>	<p>soil.</p> <p>2.Knowledge of soil erosion, soil conservation</p>	<p>resources.</p> <p><b>Skill-</b> Practices to conserve soil.</p>	<p>conservation.</p> <p>LOA(GROUP ACTIVITY)</p>
January	19	<p><b>Ch -13 Solid,Liquid and Gas</b></p> <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 solute</li> </ul>	<p>1.Special Birthday card making by showing solid, liquid and gas.</p> <p>2.Show with a diagram how</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>LOA Group Discussion</p>

			<p>solution is formed.</p> <p>3. Super soap bubbles (Pg-35).</p>		<p>2. Importance of sun for us.</p> <p><b>Skill:-</b></p> <p>1. performing change of state of matter.</p> <p>2. Making simple and useful solutions in everyday life</p>	
February	22	<p><b>Ch-14 Force, energy and Work</b></p> <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>	<p>1. Take 10 objects and check the amount of friction.</p> <p>2. Make a chart of simple machines and its implications,</p>	<p>To gain knowledge about different types of force, energy,</p>	<p>1. Team spirit.</p> <p>2. Respect the work of scientist.</p> <p><b>Skill-</b></p>	<p>LOA</p> <p>Group Discussion/ Written test</p>



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		<b>REVISION AND ANNUAL EXAM</b>	you can see in your house and neighboring	work and machine	Scientific usage.How to make toys using simple machines.	
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Subject Teacher: MeenakshiAdhikary

Coordinator

Primary Incharge

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