



SANT NANDLAL SMRITI VIDYA MANDIR, GHATSILA
SYLLABUS - STD.IV
SESSION – 2025-2026
SUBJECT – SCIENCE



Month	Working days	Topics to be taught	Activities/Art Integrated Activities	Learning Outcomes	Values And Skills Imparted	Assessment
April	21	Ch -1 The Green Plants ✓ parts of a leaf ✓ how do plants make their food? ✓ interdependence of plants and animals.	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 Skill: - planting saplings	Learning outcomes assessment (LOA)- MCQ
April May	9	Ch-2Plant Adaptation ✓ Terrestrial plants ✓ aquatic plants ✓ insectivorous plants ✓ Non green plants ✓ Parasitic plants	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 Skill: -Growing plants in respective habitat.	LOA Oral evaluation.

June	11	Ch-3 Animals and their Young ones <ul style="list-style-type: none"> ✓ Egg laying animals ✓ Birds, fish, frogs, butterfly, grasshopper and cockroaches, reptiles ✓ Animals that give birth to babies. ✓ Mammals care for their young ones 	1.Class project on animals and their lifecycle. 2.Observe the life cycle of butterfly(If possible).	1.Knowledge about which animal gives birth to babies and which animal lay eggs. 2.Learn about structure of egg. 3.Learn about life cycle of animal and metamorphosis	1.Kindness towards animals 2.Not hurting and teasing animals. Skill: - Protect young ones from enemies.	LOA Quiz
AUGUST	24	Ch -6 Food –Our basic need <ul style="list-style-type: none"> ✓ Why do we need food? ✓ Food groups ✓ Balanced diet ✓ Preservation of food ✓ Rest posture and Exercise CH-7 DIGESTION OF FOOD <ul style="list-style-type: none"> ✓ Teeth ✓ Structure of teeth ✓ Types of teeth ✓ Care of teeth ✓ Digestive System ✓ Microbes 	1.Draw food pyramid. 2.Chart of food items you take in breakfast, lunch, dinner for a week. Find out whether your diet is deficient or balanced. Poster making on topic "Eat healthy live long". 1.Chart on temporary and permanent teeth, care of teeth. 2.Model making of structure of tooth. Identify five types famous dishes /cuisines found in Jharkhand .Describe those dishes and mention its nutritional value. Draw / paste relevant pictures in scrapbook.	Knowledge about components of food and their Nutritional values and preservation technique	Food is very precious so we should not waste it. Skill:- Make balanced diet Techniques to preserve food items. Cleanliness and personal hygiene. Skill-Eat healthy for proper body.	LOA Case based questions LOA Fill in the blanks.



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SEPTEMBRE	2	CH-8 CLOTHES-OUR BASIC	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 us fibers. 2. Sharing with others Skill:- Proper way to take	Oral test LOA

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



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		<ul style="list-style-type: none">✓ Deforestation✓ Saving trees	<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>	<p>importance.2. Conservation of trees.</p>	<p>Skill-Cleanliness</p>	LOA
December	19	Ch-12 Soil <ul style="list-style-type: none">✓ Formation of soil✓ Soil composition✓ Soil profile✓ Soil erosion✓ Soil conservation	<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 Save natural resources. Skill-Practices to conserve soil.</p>	<p>Make a chart on various ways of soil conservation. LOA(GROUP ACTIVITY)</p>
January	22	Ch -13 Solid,Liquid and Gas <ul style="list-style-type: none">✓ Matter and States of matter✓ Changing States of matter✓ Physical and chemical Changes✓ Dissolving solids in water Solution solvent	<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. 2. Importance of sun for us. Skill:- 1. performing change of state of matter. 2. Making simple and useful solutions in everyday life</p>	LOA Group Discussion

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February	22	Ch-14 Force, energy and Work <ul style="list-style-type: none"> ✓ Force and its types ✓ Energy and its sources ✓ Renewable and Non-renewable energy ✓ Work and Simple machine REVISION AND ANNUAL EXAM	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. Skill- Scientific usage.How to make toys using simple machines.	LOA Group Discussion/Written test

Subject Teacher- MeenakshiAdhikary.

Sujata Verma

Principal