



SANT NANDLAL SMRITI VIDYA MANDIR, GHATSILA

YEARLY SYLLABUS OF SCIENCE

SESSION – 2025-26

STD – V



MONTH	W. DAYS	TOPIC TO BE TAUGHT	ACTIVITY	VALUES&SKILLSIMPARTED	LEARNING OUTCOME	ASSESSMENT
APRIL	23	Growing plants Structure of seed and its germination. Pollination Seed dispersal. Vegetative Reproduction. Flower and its parts. Life cycle of plants- Pollination, Fertilization and Seed production. Agriculture and crops Fertilizer and Pesticide.. Scientist - Dr M.S Swami Nathan Frank	★ Project – Collect samples of fruits or seeds which disperse by wind, water, animals, birds & by explosion of * Find out how soil is prepared for pots in the school? ★ Four group charts <ul style="list-style-type: none">• Seeds that are cereals.• Seeds that are pulses• Seed that give us oil• Seeds used for flavouring *Find out information about hydroponics, multiple cropping and crop rotation.	*Caring *Growing plants to save the Earth. * learn to Plant tree	1.How seeds help in Reproduction? 2.How plants reproduce by other parts ?. •Germination of seeds in correct order.	Take them to the garden to show the Vegetative Propagation. .Name the states where following crops are grown-: Wheat and maize- Coconut and rubber- Rice and jute.



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APRIL & MAY	9	Habitats of Animals *Animals as producer, consumer, scavengers and decomposer. *Rearing of useful insects-Apiculture and Sericulture.	 *Collect the pictures of different animals and group them into the four main habitats. *Visit the Biology laboratory in school and try to find a frog kept in a big jar . Make five observations about adaptations that help it to live in water.	 *Adjustment for better survival. *Learn to rear animals.	 To learn about different habitats of animals.	 •Written Test of 10 marks to be taken. •During winter Riya visited Jim Corbett park. 1. What animal do you think she saw? 2. What difference she come to know between a century and zoo? 3. What is the aim of Jim Corbett Park? 4. Why did the government start this project?
JUNE	11	SUMMER VACATION Adaptation in Animals. Movements, body covering and Breathing of Animals. *Vertebrates & Invertebrates. *Classification of animals	 *Draw figures showing different breathing organs of different animals. *Make models of aquarium. *Collect pictures and information about five endangered animals. Paste the pictures on a chart paper and also write the information about them with the heading "Save Endangered Animals"	 *Team Spirit * Be caring	 To know why movement and breathing organs are different in animals?	 •Call them to the black board to draw any one organ one by one. Either body covering or movement or breathing organs •Self-assessment From Frank experience science page-89 (6 question) Assessment- 4 more questions .



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JULY	25	Skeleton System REVISION Our Nervous System Brain and spinal cord Revision of Circulatory System	<ul style="list-style-type: none">*How reflex action done by spinal cord-with the help of a role play.*Write five differences between the brain and computer.	<ul style="list-style-type: none">* Develop skill to take care of our Organ System.Care for sense organs.*To develop interpersonal relationship skill.* our body is very precious.	<ul style="list-style-type: none">To learn about our bones, their arrangement and functions.To be aware of various joints and their working.To know about organs of Nervous system and circulatory system and their functions.	<p>10 MCQs to be given to check their learning. (LOA)</p>
AUGUST	24	Food and Health <ul style="list-style-type: none">*Food & its components.*Food chain and Web.*Storage , spoilage and wastage of food.*Preservation of perishable and non perishable food Safety and first aid	<ul style="list-style-type: none">*Work in groups of 5-6 students. Enact a role play on any one of the following topics and present it in class.*Find the LOGO of WWF.What is its mission?*Preserve any one food by any method and explain it.* Role play on different first aid -burn, cut, fracture	<ul style="list-style-type: none">Health is precious than wealth. So we should take care of it.* Learn to preserve food.*To develop problem solving skill.	<ul style="list-style-type: none">To know about food values of different components of food.To be cautious against diseases and learn how to maintain hygiene.	<p>Tell them to bring different food and ask them about vitamins and minerals present in them.(Oral)</p> <p>Survey activity Ratna Sagar -Living science page number 23 (10 marks 5 questions)(LOA)</p>



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		Air and water	<p>*Demonstrate – Removal of insoluble impurities by the process of Sedimentation, Decantation and Filtration.</p> <p>*Draw or paste a picture of purification of drinking water in township. (Sapphire pg-99)</p>	<p>*Save water *Water is precious.</p>	<p>To learn more about air, its composition and properties.</p> <p>Water and its properties.</p>	<p>Monthly Test of 10 marks to be taken.(LOA)</p>
SEPTEMBER	23	Our environment	<p>*Some of the activities are given below which we usually do .Identify the effect of these activities and what should be the right way to do the same.</p> <p>Throwing garbage outside the bin.</p> <p>Throwing waste bottles in river.</p> <p>Using non-pollution check vehicles.</p> <p>Listening to loud music.</p>	<p>*To develop problem solving skill.</p> <p>*Caring</p>		<p>*Group discussionBy How & Why to save natural resources?</p> <p>*How can we help save minerals for the future?</p> <p>*Why should we be careful while using coal and petroleum?</p>
OCTOBER	16	PUJA VACATION Natural disasters	<p>*Write the name of different types of volcanoes with their places.(mind map)</p> <p>* Make a volcano by using mud etc.</p>	<p>*Be Aware.</p> <p>*To develop decision making skill.</p>	<p>To learn about volcanoes</p> <p>Earthquake and storm. How they occur and their side effects.</p>	<p>Some pictures to be shown and ask about the particular disaster and precautionary measures.</p> <p>10 marks for the above (LOA)</p>



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NOVEMBER	21	Earth, Sun and Moon Structure of Earth, Sun & Moon. The Milky way. Space expeditions Chandrayan-1,2 ,3 Illustrative science 5 Goyal brothers Prakashan page number 136 Phases of moon page number 137 Rocks and minerals	<p>*Show the different phases of moon with the help of Flow chart or model.</p> <p>*Collect information about chandrayan 3 and prepare a chart on it</p> <p>Rocks' paper weight.</p>	<p>Save our planet earth.</p> <p>Poster making to save natural resources With the help of Art teacher to show how we can reduce the temperature of the earth.</p>	<p>Learn more about the structure of Earth, Sun and Moon.</p> <p>*Caring *Think for future generation. * To develop self-awareness skill.</p>	<p>*10 marks Test to be taken.(LOA)</p> <p>*Why pumice stone cannot be used for construction of building?</p>
DECEMBER	18	Force and energy Types of force Energy and its types -Simple machines	<p>*Make a pulley with a paper cup.</p>	<p>*Skill to use machines. *Energy is precious. *Time is Precious so we should do</p>	<p>To know about Force and Energy and their uses. Different types of simple machines we use in our daily life.</p>	<p>Show them different types of simple machines and tell them to segregate. 10 MCQs (LOA)</p>



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		Light and shadow	<p>*Change a transparent object into translucent and opaque into the transplant object</p>	<p>our work very fast.</p> <p>*Please give us shadow to rest so we should plant more trees.</p>	<p>To learn about light and shadow.</p>	<p>Categorize the material listed in the box given below as transparent transparent and opaque materials.</p>
JANUARY	21	Solid, liquid, gas	<p>*Look at the pictures and identify chemical and physical changes.</p> <p>*Can you lift a cube of ice from a class of water without touching it? (V-connect Pg-66)</p>	<p>*Learn to appreciate our natural resources.</p> <p>*We should learn about except the atoms and molecule changes and their roles occur in the changing our life. State of matter physical and chemical changes.</p>	<p>To learn about states of matter, atoms, molecules, physical and chemical changes.</p>	<p>Categorized reversible and irreversible changes from the following-</p> <p>Draw arrangement of molecules in solid liquid and gas.</p>



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		Measurement	<p>*Express your school hours into minutes.</p> <p>*Measure length of your classroom.</p>	<p>*Developing skills of measuring things in their daily life.</p>	<p>To know about different measuring scales and their units.</p>	<p>Make a measurement chart.(Group activity) 10 MCQs (LOA)</p>
FEBRUARY	22	REVISION AND ANNUAL EXAM.				

Subject Teacher- Sujata Verma

Principal