



**SANT NANDLAL SMRITI VIDYA MANDIR, GHATSILA**  
**SESSION 2024-25**  
**YEARLY SYLLABUS - BIOLOGY**  
**STD VII**



MON TH	WD	No of classes	TOPICS TO BE TAUGHT	ACTIVITIES	LEARNING OUTCOMES	VALUES
APRIL	23	6	Ch-1 Exploring the world of science Ch-2 Substance – Acidic, Basic and Neutral. Revision Exercise periodic test 1	Litmus paper test for acidic and basic substance.	To be able to understand the exploring the world of science . To be able to understand the properties of acidic and basic substance.	Develops curiosity and scientific attitude. Builds awareness about safe handling of chemicals.
MAY	9	2	Ch – 12 Earth, Moon and the Sun ( upto why seasons matter) Summer vacations	Make a solar Eclipse or Lunar Eclipse	To be able to understand the rotation and revolution of earth, solar Eclipse and Lunar Eclipse.	Team work, unity
JUNE	11	4	Summer vacations Ch – 12 Earth, Moon and the Sun ( continue) Exercise Ch – 6 Growth and Changes in Adolescence Exercise	To calculate the full height of a person using chart of average rate of growth in height.	To be able to understand adolescence and puberty.	Adaptability, adjusting to situations
JULY	25	5	Ch.- 3 Electric Circuits and its components Revision Exercise PT 2 Ch – 4 Metals and Non – metals ( upto physical properties )	To show a simple electrical circuit and test the conditions under which electricity will flow	To be able to understand electric circuit and draw circuit diagram.	Develops practical and technical skills.
AUG UST	24	6	Ch – 4 Metals and Non – metals ( continue) Exercises	To show that metals combine with air ( oxygen) to form metal	To understand the physical and chemical properties of metals and non metals .	Promotes scientific classification skills.



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			Ch – 7 Heat Transfer in Nature Exercise	oxides which are basic in nature.	To understand the transfer of heat – conduction , convection and radiation.	Develops understanding of natural phenomena.
SEPT	23	5	Revision Half yearly examination	_____	_____	_____
OCT	16	4	Ch – 9 Life Processes in Animals Exercise Durga puja vacation	Make a concept map of mode of nutrition of animals.	To be able to understand the different types of nutrition in animals, nutrition in human.	Encourages healthy living habits. Develops respect for animal life.
NOV	21	6	Ch – 10 Life Processes in plants Exercise  Revision + PT 3	To observe stomata under microscope.	To be able to understand nutrition in plants and Respiration in plants.	Builds awareness about plant importance. Encourages environmental conservation.
DEC	18	5	Ch – 5 Physical and Chemical Changes Exercise  Ch. – 8 Measurement of Time and Motion Winter vacations	Vinegar and Baking soda reaction.  To find the time period of simple pendulum.	To be able to understand the properties of physical and chemical changes . To be able to understand the speed , SI unit and formula.	Encourages analytical thinking.  Develops accuracy and precision.
JAN	22	8	Ch – 11 Light: Shadows and Reflections Exercises Revision	To show that light travels in a straight line .	To be able to understand rectilinear propagation of light, reflection of light, shadow and characteristics of images.	Develops curiosity about natural phenomena. Encourages experimental learning.
FEB	23	5	Revision Annual examination	_____	_____	_____

**Subject Teacher: Sushma Bishayee**

**Principal**