



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



MON TH	WD	No of classes	TOPICS TO BE TAUGHT	ACTIVITIES	LEARNING OUTCOMES	VALUES
APRIL	23	6	Ch-1 The Investigative World of Science <ul style="list-style-type: none"> Science begins with curiosity. Ch-4 Magnetic and Heating Effects of Electricity <ul style="list-style-type: none"> Magnetic effect of electric current Magnetic field – Properties of magnetic fields. Electromagnet. Heating effects of electric current. Applications in Daily Life . 	Observing the Heating Effect of electric current	To be able to understand the importance of science in our daily life . To be able to understand the magnetic and heating effects of electricity.	Curiosity, Honesty. Safety awareness, energy conservation.
MAY	9	2	Ch-2 Magnetic and Heating Effects of Electricity (continue) <ul style="list-style-type: none"> Portable sources of electricity – cells and batteries. Exercises. Summer vacations	_____	_____	_____
JUNE	11	4	Summer vacations Ch-5 Forces <ul style="list-style-type: none"> Effects of force on objects Types of forces 	Balloon and paper bits (To show electrostatic force)	To be able to understand forces , effects and its types.	Problem solving ability, Curiosity.
JULY	25	5	Ch-5 Forces (continue) <ul style="list-style-type: none"> Difference between Mass and weight 			



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			<ul style="list-style-type: none"> • Density Exercises. Ch – 6 Pressure, Winds, Storms and Cyclones. <ul style="list-style-type: none"> • Pressure – Formula of pressure • Applications of pressure in daily life Revision PT 2			
AUG UST	24	6	Ch – 6 Pressure, Winds , Storms and Cyclones (continue) <ul style="list-style-type: none"> • Pressure exerted by liquids and air • Winds resulting in low pressure. • Storms , Thunderstorms , Lightning, and Cyclones. Exercises	The water bottle fountain.(Pressure exerted by liquids)	To be able to understand pressure , winds , storms and Cyclones. How pressure, winds, Storms and Cyclones are related to each other.	Disaster preparedness, Environmental awareness.
SEPT	23	5	Revision Half yearly examination	_____	_____	_____
OCT	16	4	Ch – 10 Light: Mirrors and Lenses. <ul style="list-style-type: none"> • Spherical mirrors. • Characteristics of images formed by spherical mirrors. • Images formed by concave and convex mirrors • Uses of spherical mirrors • Reflection of light • Laws of reflection 	Observe the change in images formed by both concave and convex mirrors .	To be able to understand the characteristics of light, spherical mirrors and their uses. Reflection and refraction of light.	Team work, unity.



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NOV	21	6	Ch -10 Light: Mirrors and Lenses.(Continue) <ul style="list-style-type: none">• Refraction of light• Convex and concave lens• Uses• Exercise Revision + PT 3			
DEC	18	5	Ch – 11 Keeping time with the skies . <ul style="list-style-type: none">• Phases of the Moon• Making sense of our observations• Lunar and solar Calendar• Artificial satellites• Exercises Winter vacations	Make a Indian ancient calendar: it's origin and Details.	To be able to understand phases of the Moon, lunar and solar Calendar, artificial satellites.	Time management.
JAN	22	8	Ch – Earth : The Living Planet <ul style="list-style-type: none">• Earth a unique planet• The planets of our solar system• Earth suitable for life to exist• Earth's magnetic field: the invisible shield Exercises		To be able to understand solar system. what makes earth suitable for life to exist?	Unity in diversity
FEB	23	5	Revision Annual examination	_____	_____	_____

Subject Teacher: Sushma Bishayee .

Principal