



**SANT NANDLAL SMRITI VIDYA MANDIR, GHATSILA**  
**SESSION 2026-27**  
**YEARLY SYLLABUS – SCIENCE**  
**STD VIII**



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"> <li>Science begins with curiosity.</li> </ul> Ch-4 Magnetic and Heating Effects of Electricity <ul style="list-style-type: none"> <li>Magnetic effect of electric current</li> <li>Magnetic field – Properties of magnetic fields.</li> <li>Electromagnet.</li> <li>Heating effects of electric current.</li> <li>Applications in Daily Life .</li> </ul>	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	8	2	Ch-2 Magnetic and Heating Effects of Electricity ( continue) <ul style="list-style-type: none"> <li>Portable sources of electricity – cells and batteries.</li> <li>Exercises.</li> </ul> Summer vacations	_____	_____	_____
JUNE	11	4	Summer vacations Ch-5 Forces <ul style="list-style-type: none"> <li>Effects of force on objects</li> <li>Types of forces</li> </ul>	Balloon and paper bits ( To show electrostatic force )	To be able to understand forces , effects and its types.	Problem solving ability, Curiosity.
JULY	26	5	Ch-5 Forces ( continue) <ul style="list-style-type: none"> <li>Difference between Mass and weight</li> </ul>			



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			<ul style="list-style-type: none"> <li>Density Exercises.</li> </ul> Ch – 6 Pressure, Winds, Storms and Cyclones. <ul style="list-style-type: none"> <li>Pressure – Formula of pressure</li> <li>Applications of pressure in daily life</li> </ul> Revision PT 2			
AUG UST	23	6	Ch – 6 Pressure, Winds , Storms and Cyclones ( continue) <ul style="list-style-type: none"> <li>Pressure exerted by liquids and air</li> <li>Winds resulting in low pressure.</li> <li>Storms , Thunderstorms , Lightning, and Cyclones.</li> </ul> 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"> <li>Spherical mirrors.</li> <li>Characteristics of images formed by spherical mirrors.</li> <li>Images formed by concave and convex mirrors</li> <li>Uses of spherical mirrors</li> <li>Reflection of light</li> <li>Laws of reflection</li> </ul>	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	19	6	Ch -10 Light: Mirrors and Lenses.( Continue) <ul style="list-style-type: none"><li>• Refraction of light</li><li>• Convex and concave lens</li><li>• Uses</li><li>• Exercise</li></ul> Revision + PT 3			
DEC	19	5	Ch – 11 Keeping time with the skies . <ul style="list-style-type: none"><li>• Phases of the Moon</li><li>• Making sense of our observations</li><li>• Lunar and solar Calendar</li><li>• Artificial satellites</li><li>• Exercises</li></ul> 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	20	8	Ch – Earth : The Living Planet <ul style="list-style-type: none"><li>• Earth a unique planet</li><li>• The planets of our solar system</li><li>• Earth suitable for life to exist</li><li>• Earth's magnetic field: the invisible shield</li></ul> 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**