

**KENDRIYA VIDYALAYA SANGATHAN BHOPAL REGION**

**SESSION -2025-2026**

**CLASS-VIII SUBJECT-SCIENCE**

S.No.	MONTH	NUMBER OF PERIODS REQUIRED	NAME OF THE CHAPTER	TLO	SUGGESTED ACTIVITIES
1	April and May	23	Bridge Course		
2	June	8	Bridge Course		
3	JULY	25	<b>BRIDGE COURSE</b> <b>Chapter 1</b> Exploring the Investigative World of Science	<ul style="list-style-type: none"> <li>- Understand the investigative process in science</li> <li>- Develop skills to ask questions, observe, and experiment</li> <li>- Apply scientific concepts to real-life situations</li> </ul>	<ul style="list-style-type: none"> <li>*Conduct simple experiments to test scientific questions</li> <li>* Create a scientific journal to record observations and conclusions</li> <li>-*Design an experiment to investigate the effect of variables on a puri puffing up</li> </ul>
4	AUGUST	23	<b>Chapter 2</b> The Invisible Living World: Beyond Our Naked Eye	<ul style="list-style-type: none"> <li>- Understand the concept of microorganisms and their role in our lives</li> <li>- Identify the benefits and risks associated with microorganisms</li> </ul>	<ul style="list-style-type: none"> <li>* Observe microorganisms using a microscope or foldscope</li> <li>*Conduct an activity in the kitchen-fermentation in wheat flour.</li> <li>*Testing for curd formation using milk in different conditions.</li> <li>*Research beneficial microorganisms and their uses</li> </ul>
			<b>Chapter 3</b> Health: The Ultimate Treasure	<ul style="list-style-type: none"> <li>- Understand the importance of health and wellness</li> <li>- Develop skills to maintain good health and prevent diseases</li> </ul>	<ul style="list-style-type: none"> <li>*Create a health awareness poster on a specific health issue.</li> <li>*Conduct a survey to find some common life style related diseases in the community.</li> <li>* Conduct a survey to identify health habits and challenges in the community</li> <li>*Research and present on the importance of vaccinations and medicines</li> </ul>
5	SEPTEMBER	24	<b>Chapter 4</b> Electricity: Magnetic and Heating Effects	<ul style="list-style-type: none"> <li>- Understand the heating and magnetic effects of electric current</li> </ul>	<ul style="list-style-type: none"> <li>* Build a simple electric circuit to demonstrate the flow of electricity.</li> </ul>

				- Apply the concepts of electricity to real-life situations	*Construct an electric cell by using juicy lemons. * Investigate the magnetic effects of electric current using a compass and coil
			<b>Chapter 5</b> Exploring Forces	- Understand the concept of forces and their effects - Develop skills to measure and calculate forces	*Conduct an activity to show magnetic, electrostatic and magnetic effect. *Investigate the effects of friction on different surfaces *Measuring weight of various objects by using spring balance.
			<b>Revision for</b> Half Yearly Examination		
Half Yearly Examination					
6	OCTOBER	20	<b>Chapter 6</b> Pressure, Winds, Storms and Cyclones	- Understand the concept of pressure and its effects - Develop skills to explain natural phenomena like winds, storms, and cyclones	*Conduct an activity to find that liquids exert pressure. * Research and present on weather patterns and forecasting methods.
7	NOVEMBER	23	<b>Chapter 7</b> Particulate Nature of Matter	- Understand the concept of matter and its properties - Develop skills to explain the behaviour of matter in different states	* Conduct an experiment to demonstrate the different states of matter * Conduct an activity to show that interparticle spacing differ in the three states of matter. * Create a model to illustrate the arrangement of particles in different states of matter
			<b>Chapter 8</b> Nature of Matter: Elements, Compounds and Mixtures	- Understand the concept of elements, compounds, and mixtures - Develop skills to distinguish between them	*Classify substances into elements, compounds, and mixtures. * Conduct an experiment to show that carbon dioxide is present in air. * Conduct an experiment to demonstrate various separation techniques.
8	DECEMBER	18	<b>Chapter 9</b> The Amazing World of Solutes, Solvents and Solutions	- Understand the concept of solutions and solubility - Develop skills to explain the behavior of solutes and solvents	*Investigate the solubility of different substances in water. * Conduct an activity to determine volume of objects with irregular shapes. *Create a solution and demonstrate its properties.

			<b>Chapter 10</b> Light: Mirrors and Lenses	<ul style="list-style-type: none"> <li>- Understand the concept of light and its behavior</li> <li>- Develop skills to explain the working of mirrors and lenses</li> </ul>	<ul style="list-style-type: none"> <li>* Investigate the reflection of light using plane mirror and verify law of reflection of light.</li> <li>* Conduct an activity to explore diverging and converging nature of mirrors and lenses.</li> <li>* Create a simple telescope using lenses</li> </ul>
9	JANUARY	24	<b>Chapter 11</b> Keeping Time with the Skies	<ul style="list-style-type: none"> <li>- Understand the concept of time and its measurement</li> <li>- Develop skills to explain the movement of celestial bodies</li> </ul>	<ul style="list-style-type: none"> <li>* Conduct an activity by using ball and stick to understand phases of moon.</li> <li>* Create a sundial to demonstrate the concept of time</li> <li>* Research and present on celestial bodies and their movements.</li> </ul>
			<b>Chapter 12</b> How Nature Works in Harmony	<ul style="list-style-type: none"> <li>- Understand the concept of ecosystems and balance in nature</li> <li>- Develop skills to explain the interconnectedness of living organisms</li> </ul>	<ul style="list-style-type: none"> <li>* Create a model ecosystem to demonstrate the interconnectedness of living organisms.</li> <li>* Research and present on environmental issues and conservation methods</li> </ul>
10	FEBRUARY	23	<b>Chapter 13</b> Our Home: Earth, a Unique Life Sustaining Planet REVISION FOR SESSION ENDING EXAMINATION	<ul style="list-style-type: none"> <li>- Understand the concept of Earth's uniqueness and its ability to sustain life</li> <li>- Develop skills to explain the importance of conservation and sustainability</li> </ul>	<ul style="list-style-type: none"> <li>* Create a model to demonstrate the Earth's uniqueness and ability to sustain life</li> <li>* Research and present on sustainability and conservation methods</li> </ul>
11	MARCH	25	SESSION ENDING EXAMINATION		