

**DELHI PUBLIC SCHOOL JAMMU**  
**SESSION-2023-24**  
**MONTH-APRIL (SCIENCE)**  
**CLASS:IX**

S.No	LEARNING OUTCOMES	MONTH	CHAPTER
1.	<p>From this chapter, students shall be able to:</p> <ul style="list-style-type: none"> <li>❖ Differentiate between scalar and vector quantities.</li> <li>❖ Illustrate that motion and rest are relative terms.</li> <li>❖ Differentiate between distance and displacement.</li> <li>❖ Identify changes in motion that produce acceleration.</li> <li>❖ Able to calculate speed, velocity and acceleration of an object, analytically, and graphically.</li> <li>❖ Plot graph between different quantities.</li> <li>❖ Differentiate between uniform and non-uniform motion.</li> <li>❖ Interpret distance-time graph, velocity-time graph, and explain the meaning of the slope.</li> </ul>	APRIL	<p><b>Chapter: Motion</b></p> <p><b>Topics:</b></p> <ol style="list-style-type: none"> <li>1. Distance and Displacement</li> <li>2. Velocity</li> <li>3. Acceleration</li> <li>4. Distance-time &amp; Velocity-time</li> <li>5. Derivations of equation of Motion graphically</li> <li>6. Elementary idea of uniform circular motion</li> </ol>
2.	<ul style="list-style-type: none"> <li>❖ To understand the particle nature of matter through various activities.</li> <li>❖ To describe the characteristics of particles of matter</li> <li>❖ To explain characteristics of Solids, Liquids and Gases.</li> <li>❖ To define melting and Latent heat of fusion.</li> </ul>	APRIL	<p><b>Chapter: Matter in the surrounding</b></p> <p><b>Topics:</b></p> <ol style="list-style-type: none"> <li>1. Characteristics of particles of matter</li> <li>2. States of matter- Physical Classification</li> <li>3. Inter-conversion of states of matter and change of temperature</li> <li>4. Melting and Latent heat</li> </ol>

3.	<ul style="list-style-type: none"> <li>❖ To Understand the structure and function of cell membrane and wall.</li> <li>❖ 2.Distinguish between prokaryotic and eukaryotic cell.</li> <li>❖ 3. To know about the postulates of cell theory.</li> <li>❖ 4.To understand the structure of nucleus.</li> <li>❖ 5.To differentiate between animal cell and plant cell.</li> </ul>	APRIL	<p><b>Chapter: The Fundamental Unit of Life</b></p> <p><b>Topics:</b></p> <ol style="list-style-type: none"> <li>1. Cell as a basic unit of life; Prokaryotic and eukaryotic cells</li> <li>2. Unicellular and multicellular organisms</li> <li>3. Cell organelles and cell inclusion bodies</li> <li>4. Chromosomes Basic structure and function</li> <li>5. Cell division</li> </ol>
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**SUBJECT COORDINATOR  
COORDINATOR**

**ACADEMIC**