

**Annual Syllabus**  
**Session: 2022-2023**  
**Class -VII (Level 1)**  
**Subject: Science**

THEME	CONTENT AND ITS MAPPING WITH PREVIOUS CLASSES	SUGGESTIVE LEARNING OUTCOMES	SUGGESTIVE ACTIVITIES AND RELATED WORKSHEET
Food	<p><b><u>CLASS VI:</u></b></p> <p><b>Ch-7: Getting to know plants</b></p> <ul style="list-style-type: none"> <li>• Leaf</li> </ul> <p><b>Ch-9: Living organisms and their surroundings</b></p> <ul style="list-style-type: none"> <li>• Characteristics of the living beings.</li> </ul> <p><b><u>CLASS VII:</u></b></p> <p><b>Ch-1: Nutrition in Plants</b></p> <ul style="list-style-type: none"> <li>❖ Autotrophic Nutrition (Photosynthesis) <ul style="list-style-type: none"> <li>(a) Raw materials for photosynthesis</li> <li>(b) Site and mechanism of photosynthesis</li> </ul> </li> <li>❖ Heterotrophic nutrition (parasitic, insectivorous and symbiotic organisms)</li> </ul>	<ul style="list-style-type: none"> <li>• Identify different types of nutrition in plants.</li> <li>• Examine scientifically that which materials are required in the process of photosynthesis, and Describe the process of photosynthesis and write its word equation and draw related diagram.</li> <li>• Explain parts of plant and raw material involved in Photosynthesis.</li> <li>• Giving examples of heterotrophic nutrition in plants</li> </ul>	<ul style="list-style-type: none"> <li>❖ Observe the effect on leaves due to non availability of following raw materials required for photosynthesis: <ul style="list-style-type: none"> <li>a) air: applying Vaseline on leaves</li> <li>b) water: not giving water to the plant</li> <li>c) sunlight: keeping the plant in dark room</li> </ul> </li> </ul> <p><b>Class VI</b></p> <ul style="list-style-type: none"> <li>❖ <b>Worksheet no.: 26,27,28,30,45,46</b></li> </ul> <p><b>Class VII</b></p> <ul style="list-style-type: none"> <li>❖ <b>Worksheet no.: 15,16,17,18,19,20</b></li> </ul>
Moving things ,People and Ideas	<p><b><u>CLASS VI:</u></b></p> <p><b>Ch-10: Motion and Measurement of distance.</b></p> <ul style="list-style-type: none"> <li>• Standard units of measurements</li> <li>• Distance and type of motion</li> </ul> <p><b><u>CLASS VII</u></b></p> <p><b>Ch- 13: Motion and Time</b></p> <ul style="list-style-type: none"> <li>❖ Slow or fast</li> <li>❖ speed</li> </ul>	<ul style="list-style-type: none"> <li>• Explain oscillatory/ periodic motion</li> <li>• Make a simple pendulum and calculate its time period.</li> <li>• Measure distance and time</li> <li>• Use the distance and time units of measurement in daily life.</li> <li>• Plot time-distance graph and explain</li> </ul>	<ol style="list-style-type: none"> <li>1. Make a simple pendulum and to find out the time period of an oscillation</li> <li>2. Calculate speed using formula</li> <li>3. Make distance-time graph by using the given data.</li> </ol> <p><b>Class VI</b></p> <p><i>(Related activities given in the text book and any other source).</i></p> <p><b>Class VII</b></p> <ul style="list-style-type: none"> <li>❖ <b>Worksheet no.: 39,40,41,42</b></li> </ul>

	<ul style="list-style-type: none"> <li>❖ Measurement of time and distance, their SI.</li> <li>❖ Periodic or Oscillatory motion</li> <li>❖ Distance -Time graph</li> <li>❖ Measuring speed and its SI</li> </ul>	<p>speed on its basis.</p> <ul style="list-style-type: none"> <li>• Calculate speed using formula.</li> </ul>	
<p>➤ <b>The above content must be completed by 30<sup>th</sup> September 2022.</b></p> <p>➤ <b>Revision of syllabus for Mid Term Examination.</b></p>			
Mid Term Examination- 2022			
THEME	CONTENT AND ITS MAPPING WITH PREVIOUS CLASSES	SUGGESTIVE LEARNING OUTCOMES	SUGGESTIVE ACTIVITIES AND RELATED WORKSHEET
Material	<p><b><u>CLASS VI:</u></b></p> <p><b><u>Ch-2: Components of food</u></b> Process of Test for starch, protein and fat.</p> <p><b><u>CLASS VII:</u></b></p> <p><b>Ch- 5: Acids, Bases and Salts</b></p> <ul style="list-style-type: none"> <li>❖ Identification of Acids and Bases               <ul style="list-style-type: none"> <li>(a) According to taste</li> <li>(b) With indicators (Turmeric and litmus paper)</li> </ul> </li> <li>❖ Neutralisation reaction               <ul style="list-style-type: none"> <li>(a) Examples from daily life (effect of ant's sting and indigestion)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Identify and classify various eatable substances as acids or bases on the basis of taste.</li> <li>• Prepare turmeric indicator and test the basic nature of substances.</li> <li>• Identify acids, bases and salts on the basis of change in colour of litmus paper</li> <li>• Explain neutralisation process and Apply the concept of neutralisation in daily life</li> </ul>	<ol style="list-style-type: none"> <li>1. Make natural indicator with turmeric and identify acids and bases with the help of it.</li> <li>2. Categorise given substance into acid or base with the help of Litmus paper.</li> <li>3. Observe the process of neutralisation using lemon juice and soap water</li> </ol> <p><b>Class VI</b></p> <ul style="list-style-type: none"> <li>❖ <i>(Related activities given in the text book and any other source).</i></li> </ul> <p><b>Class VII</b></p> <ul style="list-style-type: none"> <li>❖ <b>Worksheet no.:43, 44</b></li> </ul>
<p>➤ <b>The entire syllabus must be completed by 31<sup>st</sup> January, 2023.</b></p> <p>➤ <b>Revision of syllabus for Annual Examination.</b></p> <p>➤ <b>Annual examination will be based on complete annual syllabus.</b></p> <p>➤ <b>Annual Examination-2022-23</b></p> <p><b>Note: The above said syllabus is for assessment purpose only and remaining topics/chapters may be taught as Subject Learning Enrichment</b></p>			