

**Annual Syllabus**  
**Session: 2022-23**  
**Class –VII(Level 2)**  
**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>  <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>  <b>Ch-1: Nutrition in Plants</b></p> <ul style="list-style-type: none"> <li>❖ Mode of Nutrition in plants.</li> <li>❖ Photosynthesis-food making process in plants.</li> <li>❖ Other modes of nutrition in plants</li> <li>❖ Saprotrophs</li> <li>❖ How nutrients are replenished in the soil.</li> </ul>	<ul style="list-style-type: none"> <li>• Identify different organisms on the basis of mode of nutrition.</li> <li>• Write word equation for photosynthesis</li> <li>• Explain process of photosynthesis in plants with the help of labelled diagram.</li> <li>• Conduct investigations to seek the answer that leaves other than green also carry photosynthesis</li> <li>• Give examples of heterotrophs.</li> </ul>	<ol style="list-style-type: none"> <li>1.To show light is essential for photosynthesis.</li> <li>2.Collect leaves of different Colours – check that photosynthesis also occur in these coloured leaves.</li> <li>3.Growing fungi on a bread. Observe the patches on the bread under a microscope or with the help of magnifying glass and write the observation in your note book.</li> </ol> <p><b>Class VI</b>  ❖ <b>Worksheet no.:26,27,28,30,45,46</b></p> <p><b>Class VII</b>  ❖ <b>Worksheet no.: 15,16,17,18,19,20</b></p>
Food	<p><b><u>CLASS VI:</u></b>  <b>Ch-2: Components of food</b></p> <ul style="list-style-type: none"> <li>• What do different food items contain?</li> <li>• What do various nutrients do for our body?</li> <li>• Balanced diet.)</li> </ul> <p><b><u>CLASS VII:</u></b>  <b>Ch-2 :Nutrition in Animals</b></p> <ul style="list-style-type: none"> <li>❖ Different ways of Taking Food</li> <li>❖ Digestion in Humans</li> </ul>	<ul style="list-style-type: none"> <li>• Identify types of teeth</li> <li>• Differentiates organisms on the basis of the process of digestion ,</li> <li>• Explain process of digestive system in animals and human</li> <li>• Draw labelled diagram or flow charts of digestive system in human.</li> </ul>	<ol style="list-style-type: none"> <li>1.Effect of saliva on starch.</li> <li>2.Study with suitable learning materials <ol style="list-style-type: none"> <li>a.Human Digestive System,</li> <li>b.Different types of teeth and their arrangement in mouth</li> <li>c.Movement of the food in the alimentary canal.</li> <li>d.Digestive system of Ruminant.</li> <li>e.Permanent slide of Amoeba</li> </ol> </li> <li>3.To find the position of taste buds with the help of edible things brought by the students.</li> </ol>

	<ul style="list-style-type: none"> <li>❖ Digestion in Grass-Eating Animals</li> <li>❖ Feeding and Digestion in Amoeba</li> </ul>		<p><b>Class VI</b></p> <ul style="list-style-type: none"> <li>❖ <b>Worksheet no.:10,11,12,13,14,16,17,22,23,24,25</b></li> </ul> <p><b>Class VII</b></p> <ul style="list-style-type: none"> <li>❖ <b>Worksheet no.: 8,9,10,11,12,13,14</b></li> </ul>
<b>Moving things , People and Ideas</b>	<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> <li>❖ Measurement of time</li> <li>❖ Measuring speed</li> <li>❖ Distance time Graph</li> </ul>	<ul style="list-style-type: none"> <li>• Observe and analyse motion as slow/fast.</li> <li>• Appreciate the idea of time and need to measure it(like measuring time with wrist watch / stop watch)</li> <li>• Analyse the consistency of time period of pendulum etc.</li> <li>• Measure and calculate speed of moving objects ,</li> <li>• Measure the physical quantities and express their SI units.</li> <li>• Plot and interpret distance-time graph.</li> </ul>	<ol style="list-style-type: none"> <li>1. Observing the motion (slow or fast) of common objects.</li> <li>2. Measure the distance covered by objects moving (with in school)in a given time and calculating their speeds .</li> <li>3. Plot distance vs. time graph for uniform motion.</li> <li>4. Measure the time taken by a moving object (toy cars) to cover a given distance and calculate their speeds.</li> <li>5. To observe the motion of the of a simple pendulum and its time period</li> </ol> <p><b>Class VI:</b>related activities in the chapter</p> <p><b>Class VII</b></p> <ul style="list-style-type: none"> <li>❖ <b>Worksheet no.: 39,40,41,42</b></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>			
<b>MID TERM EXAMINATION-2022</b>			
<b>THEME</b>	<b>CONTENT AND ITS MAPPING WITH PREVIOUS CLASSES</b>	<b>SUGGESTIVE LEARNING OUTCOMES</b>	<b>SUGGESTIVE ACTIVITIES</b>
<b>Material</b>	<p><b><u>CLASS VI:</u></b></p> <p><b>Ch-2: Components of food</b></p>	<ul style="list-style-type: none"> <li>• Classify substances as acidic, basic and neutral substances.</li> <li>• Conduct simple investigation like –Extract</li> </ul>	<ol style="list-style-type: none"> <li>1. Testing solutions of common substances like sugar, salt, vinegar, limejuice etc. With indicators</li> </ol>

	<p>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>❖ Acids and Bases</li> <li>❖ Natural Indicators around us</li> <li>❖ Neutralisation</li> <li>❖ Neutralisation in everyday life.</li> </ul>	<p>of coloured flowers be used as acid- base indicator.</p> <ul style="list-style-type: none"> <li>• Learn to handle experiments with care.</li> <li>• Write word equation for Acid- Base reaction.</li> <li>• Apply learning of scientific concept in day to day life – like dealing with Acidity, treating the stings of ants etc.</li> </ul>	<p>like Litmus, Turmeric, China rose or any other.</p> <ol style="list-style-type: none"> <li>2. To study neutralisation reaction.</li> <li>3. To prepare a card with Turmeric paste and soap solution.</li> </ol> <p><b>Class VI:</b>related activities in the chapter</p> <p><b>Class VII:</b></p> <ul style="list-style-type: none"> <li>❖ <b>Worksheet no.:43,44</b></li> </ul>
<p><b>Natural Phenomena</b></p>	<p><b><u>CLASS VI:</u></b></p> <p><b>Ch-11: Light Shadows and Reflection</b></p> <ul style="list-style-type: none"> <li>• Transparent, opaque and translucent objects</li> <li>• Mirrors and reflections.)</li> </ul> <p><b><u>CLASS VII:</u></b></p> <p><b>Ch-15: Light</b></p> <ul style="list-style-type: none"> <li>❖ Light travels along a straight line</li> <li>❖ Reflection of light.</li> <li>❖ Right or left, playing with spherical mirrors.</li> <li>❖ Images formed by lenses.</li> <li>❖ Sunlight white or coloured?</li> </ul>	<ul style="list-style-type: none"> <li>• Identify mirrors and lenses on the basis of their function.</li> <li>• Differentiate images formed by mirrors and lenses on the basis of its properties.</li> <li>• Conduct investigation like—Is white light composed of many colours?</li> <li>• Construct model of seven colour disc from the resources available in their surroundings.</li> </ul>	<ol style="list-style-type: none"> <li>1.Experiment to see the source of light through a straight and bent tube.</li> <li>2.Observation of reflection of light on wall or white paper screen.</li> <li>3. Images made by different objects and recording the observations.</li> <li>4.To identify and distinguish among plane , concave and convex mirrors, and also between concave and convex lenses</li> <li>6. Making a disc with seven colours and observe it when it rotates.</li> </ol> <p><b>Class VI:</b></p> <ul style="list-style-type: none"> <li>❖ <b>Worksheet no.:32,33,34,35,36,37,38</b></li> </ul> <p><b>Class VII:</b></p> <ul style="list-style-type: none"> <li>❖ <b>Worksheet no.:28,29,30,31-38</b></li> </ul>
<ul style="list-style-type: none"> <li>➤ <b>The entire syllabus must be completed by 31 January, 2023.</b></li> <li>➤ <b>Revision of syllabus for Annual Examination.</b></li> <li>➤ <b>Annual examination will be based on whole annual syllabus.</b></li> <li>➤ <b>Annual Examination-2022-23</b></li> </ul> <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> <p><b>*not for assessment.</b></p>			