

Annual Syllabus
Session: 2023-2024
Class -VII
Subject: Science

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

<ul style="list-style-type: none"> ❖ Measurement of time and distance, their SI. ❖ Periodic or Oscillatory motion ❖ Distance -Time graph ❖ Measuring speed and its SI 	<p>speed on its basis.</p> <ul style="list-style-type: none"> • Calculate speed using formula. 	
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- **The above content must be completed by 30th September 2023.**
- **Revision of syllabus for Mid Term Examination.**

Mid Term Examination- 2022

THEME	CONTENT AND ITS MAPPING WITH PREVIOUS CLASSES	SUGGESTIVE LEARNING OUTCOMES	SUGGESTIVE ACTIVITIES AND RELATED WORKSHEET
Material	<p><u>CLASS VI:</u></p> <p><u>Ch-2: Components of food</u> Process of Test for starch, protein and fat.</p> <p><u>CLASS VII:</u></p> <p><u>Ch- 5: Acids, Bases and Salts</u></p> <ul style="list-style-type: none"> ❖ Identification of Acids and Bases <ul style="list-style-type: none"> (a) According to taste (b) With indicators (Turmeric and litmus paper) ❖ Neutralisation reaction <ul style="list-style-type: none"> (a) Examples from daily life (effect of ant's sting and indigestion) 	<ul style="list-style-type: none"> • Identify and classify various eatable substances as acids or bases on the basis of taste. • Prepare turmeric indicator and test the basic nature of substances. • Identify acids, bases and salts on the basis of change in colour of litmus paper • Explain neutralisation process and Apply the concept of neutralisation in daily life 	<ol style="list-style-type: none"> 1. Make natural indicator with turmeric and identify acids and bases with the help of it. 2. Categorise given substance into acid or base with the help of Litmus paper. 3. Observe the process of neutralisation using lemon juice and soap water <p>Class VI</p> <ul style="list-style-type: none"> ❖ <i>(Related activities given in the text book and any other source).</i> <p>Class VII</p> <ul style="list-style-type: none"> ❖ Worksheet no.:43, 44

- **The entire syllabus must be completed by 31st January, 2024.**
- **Revision of syllabus for Annual Examination.**
- **Annual examination will be based on complete annual syllabus.**
- **Annual Examination-2022-23**

Note: The above said syllabus is for assessment purpose only and remaining topics/chapters may be taught as Subject Learning Enrichment