

**CLASS VII  
LESSON PLAN  
SUBJECT- SCIENCE**

<b>TERM-I</b>					
<b>MONTH</b>	<b>WEEK</b>	<b>TOPIC</b>	<b>LEARNING OBJECTIVES</b>	<b>ACTIVITIES</b>	<b>ASSESSMENT USED</b>
<b>April</b>	<b>Week 1</b>	Nutrition in plants (Chapter- 1)	Students will able to know about - • Different modes of nutrition • process of photosynthesis • Heterotrophic nutrition in non green plants	• To show sunlight is necessary for photosynthesis • To test the presence of starch in leaves	Various exercises (very short, short and long questions), inquisitiveness.
	<b>Week 2</b>	Nutrition in animals (Chapter-2)	• To know about steps in animals nutrition • To know about nutrition in amoeba. • To know about nutrition in human beings. • To know about the process of nutrition in ruminants	• To study the type and no. of teeth in humans. • To locate the position of taste buds on tongue (Diagram). • Diagram of human digestive system.	Clarity of concepts and terms. Inquisitiveness participation.
	<b>Week 3</b>	Materials of daily use (Chapter-3)	• To know about-Cloths from animal sources. • The process of extraction of wool. • The process of extraction of silk.	• To differentiate between different types of fibers.	Group activity To know the different processes of obtaining wool
	<b>Week 4</b>	Revision of chapter 2 nutrition in animals	• Nutrition modes, human digestive systems & processes involved. • Nutrition in amoeba & ruminants	Paper pen test	Accuracy
<b>MAY</b>	<b>Week 1 &amp; 2</b>	Heat (Chapter-4)	• To know about temperature and its measurement. • Different modes of transfer.	• How to measure human body temperature. • How to use laboratory thermometer. • Different ways of heat transfer in solid, liquid & gases.	Creativity Accuracy
	<b>Week 3</b>	Soil (Chapter-8)	To know about – • Soil & its importance. • Soil profile • Properties of different	• To study soil profile • To show soil contains water. • To find out the	Creativity Participation How to conserve soil.

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			types of soil. • Soil erosion & its conservation	amount of water absorbed by different types of soil.	Viva.
	Week 4	PT1 Based on ch-2 & 3			
JULY	Week 3	Weather, climate and adaptations of animals (Chapter-7)	To know about- • Weather & weather conditions. • Climate. • Adaptations of animals to climate.	• Identification of different weather symbols. • To find out different weather conditions during a week. (Student's activity)	Inquisitiveness
	Week 4	Motion & time (Chapter-12)	To know about – • Different tools to measure time • Slow & fast motion • Uniform & non uniform speed & its units	• To find out time period of pendulum • Graphical representation of uniform & non uniform speed. (Paper pen activity)	Inquisitiveness Accuracy
AUGUST	Week 1	Electric current & its effects. (Chapter-13)	To know about- • Electric circuit & its components. • Heating effects of electric current. • Fuse, its use. • Magnetic effects of electric current.	• How to make an electric circuit. • How to install a fuse. • To show magnetic effects of electric current.	Creativity Accuracy Exercise
SEPTEMBER	Week 1,2	Revision of all chapters			First term exams

TERM- II					
MONTHS	WEEK	TOPIC	LEARNING OBJECTIVES	ACTIVITIES	ASSESSMENT USED
AUGUST	WEEK 2	PT-2 Ch12 & 13			
SEPTEMBER	WEEK 1 & WEEK 2	Revision of all chapters		First term exams	

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OCTOBER	WEEK 1	Different kinds of materials (ch-5)	To know about- 1. Classifying substances into Acids, Bases. 2. Indicators & uses	1. How to check Chemical nature of substance. 2. Neutralization reactions.	Inquisitiveness, Accuracy
"	WEEK 2	How things react with one another (ch-6)	1. To classify physical and chemical changes. 2. Rusting; its conditions & preventions.	1. To observe Physical & chemical changes. 2. Heating of Mg ribbon.	Viva Accuracy Creativity
"	WEEK 3	Light (ch-14)	To know about- 1. Rectilinear propagation of light. 2. Reflection of light. 3. To classify different types of mirrors & lenses.	1. To prove rectilinear Propagation of light. 2. Image formation by mirrors & lenses. 3. To show composition of white color.	Creativity Content Presentation.
"	Week 4	Revision of ch- 14			
NOVEMBER	WEEK 1	Respiration in organisms ch-9	Students will be able to- 1. Organisms respire to release energy. 2. Different organs of respiration. 3. Human Respiratory systems	1. To show exhaled air contains CO <sub>2</sub> 2. Working of human respiratory systems	Inquisitiveness Participation
November	Week 2	Transportation of materials ch-10	1. Role of kidneys, 2. Heart working 3. Excretion & transpiration in plants.	1. How to count pulse rate 2. Human heart 3. Diagram based work sheet.	Accuracy Inquisitiveness Viva Neatness
"	Week 3	Reproduction in animals ch-11	Students will be able to know – 1. Modes of reproduction 2. Vegetative propagation in plants 3. Sexual reproduction in human beings.	1. To observe spore formation in bread mould. 2. To study reproduction parts of a flower.	Accuracy Creativity



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"	WEEK 4	Revision of ch-11		Paper pen test	
DECEMBER	Week 1	Winds, storms & cyclones ch-15	To know about- 1. Air pressure, winds, storms, thunderstorms, cyclones, & their protective measures.	Worksheet containing MCQ based on different climatic conditions	Accuracy
DECEMBER	Week 2	Revision of ch-15		Paper pen test	
"	Week 3	PT 3 based on Chapter 6 & 9	-----	-----	-----
JANUARY	Week 1	Forest ch-17	To know about- 1. Uses of forests, food chains & webs	Drawing food chains & food webs	Presentation, Accuracy
JANUARY	Week 2	Waste management ch-18	To know about- 1. Sewage & its treatment	To compare contaminated and clean water	Presentation, Accuracy
JANUARY	Week 3 & 4	Revision & PT 4 based on Chapter 10 & 14		Paper pen test	