

SYLLABUS FOR THE SESSION 2023-24

CLASS VII		SUBJECT SCIENCE	
MONTH	TOPIC	DIGITAL RESOURCES	SUBJECT ENRICHMENT ACTIVITIES
April	CH-1 Nutrition in Plants CH-2 Utilization of Food in Plants and Animals	To show power point presentation on the topic "heterotrophic nutrition in plants". To show the video related to digestion.	1) To show that light is necessary for photosynthesis. 2) To study the effect of salivary amylase on starch.
May	CH-12 Time and Motion CH-3 Fibre to Fabric	To show the video related to pendulum clock from Smart class. To show flow chart of life cycle of a silk moth.	3) To study the life cycle of a silk moth. 4) To study the motion of a simple pendulum and calculate its time period.
July	CH-5 Acids, Bases and Salts CH-6 How things change CH-16 Water, A Natural Resource (only for reading+Project work)	To show video related to formation of turmeric indicator. To show flow chart of changes from e-library content. To show importance of water through animation.	5) To identify whether the given unknown sample is acid or a base. 6) To study the process of displacement of copper from copper sulphate solution. Make an attractive and informative project on "Water, A Natural Resource"
August	CH- 7 Soil CH-11 Multiplication in Plants	To show soil profile animation from smart class. To show different modes of asexual reproduction in plants through smart class	7) To show that soil contains water. 8) To study the different modes of asexual reproduction from permanent.
October	CH- 8 Surroundings Affect the Living CH-9 Respiration, the Breath of Life CH-4 Heat and Temperature	To show flow chart of adaptation of animals from e-library content. Elaborate mechanism of breathing from smart class. To show video of types of thermometer.	9) To show that respiring organisms produce heat energy . 10) To study the process of heat transfer by convection.
November	CH-10 Movement of Substances CH-13 Electric Current and its Uses	To show functioning of heart animation from smart class. Discuss different examples of conductors and insulators through smart class.	11) To study that water is taken up by xylem of the roots and transported to various parts of plant. 12) To show that an electrical current carrying wire has an effect on a magnetic needle.

December	CH-15 Light CH- 14 Winds, Storms and Cyclones	Demonstrate rectilinear propagation of light with the help of an animated videos. Discuss formation of sea breeze and land breeze from power point presentation.	13) To show dispersion of sunlight into seven colours through a prism
January	CH-17 Forests CH-18 Wastewater Management (only for reading+Project Work)	To show various case study related to forest story through animated video. To show short movie on wastewater management.	Make a beautiful and informative project on wastewater management.