

	March	April	May	June
Content	<p>*Nutrition in Plants.</p> <p>*Nutrition in Animals</p>	<p>*Respiration in Organisms</p> <p>*Fiber To Fabric</p>	<p>*Reproduction In Plants</p> <p>*Weather, Climate and Adaptations of Animals to Climate</p>	<p>*Winds, Storms and Cyclones & Air (Collaboration with Social Sciences)</p> <p>* Soil</p>
Outcomes	<p>-classifies the modes of nutrition in plants.</p> <p>-Demonstrates and generalize the process of photosynthesis.</p> <p>-Improves mineral replenishment in soil.</p> <p>Activity: *Lab activities</p> <p>*Class activity</p> <p>Assessment : Pen – paper test, Concept map , HOTS , reasoning questions, Quiz ,Flow chart and Value Based Questions</p> <p>*Describes and differentiates the process of nutrition in Amoeba, Human Beings and ruminants.</p> <p>- Understands the process of digestion in human beings.</p> <p>Activity: *Lab activities *Research work:To collect information about the dentures of different age groups in humans and compare with animals.</p> <p>Assessment : Pen – paper test, Concept map , HOTS , reasoning questions, Report and Value Based Questions</p>	<p>- Comprehends the term heat and use of thermometer to measure temperature.</p> <p>-Examines various modes of heat transfer in relation with the formation of land and seabreeze and day to day activities.</p> <p>Activity: *Class/ Lab activities (Experiments)</p> <p>Assessment : Pen – paper test, Concept map , HOTS , reasoning questions, and Value Based Questions</p> <p>-To discuss the process of respiration in human beings.</p> <p>- Differentiate between aerobic and anaerobic respiration.</p> <p>-Identification of respiratory organs of various animals.</p> <p>Activity: *Lab activity * Model Making * Videos :Respiratory Diseases</p> <p>Assessment : Pen – paper test, Concept map , HOTS , reasoning questions, PPT, Model and Value Based Questions</p> <p>*Understands the process of fiber into wool</p> <p>-Describes the extraction of silk, cotton and jute.</p> <p>Activity: PPT: Steps of Extraction of silk, Jute or Cotton and Wool.</p> <p>Assessment : Pen – paper test, Concept map , HOTS , reasoning questions, and Value Based Questions</p>	<p>-Differentiates between different modes of reproduction in plants i.e. asexual and sexual.</p> <p>-Differentiates between self and cross pollination.</p> <p>- Comprehends the process of fertilization in plants.</p> <p>Activity: *Make a list of plants from your surrounding grown through vegetative propagation. *Think of any five fruit bearing plants and collect information to make a table showing (i) their seed dispersal.(ii)part of seed help in dispersal.</p> <p>Assessment: Pen – paper test, Concept map , HOTS , reasoning questions, and Value Based Questions</p> <p>Investigates weather and climate of a place.</p> <p>-Analyzes the adaptive features of various animals.</p> <p>Activity: *to collect information about meteorological department and make a list of five things this department does. Make weather reports of Himachal Pradesh (For 15 days) and write about changes you observe.</p> <p>Assessment : Pen – paper test, Concept map , HOTS , reasoning questions, Report and Value Based Questions</p>	<p>- Comprehends the concept of wind, atmosphere and air pressure.</p> <p>- Differentiates between winds, storms and cyclones in relation to uneven heating of earth.</p> <p>-Identifies the safety measures during storms and cyclones and weather instruments.</p> <p>Activity: * Class activities</p> <p>*Collect articles and photographs from newspapers and magazines about storms and cyclones. Make a story on the basis of what you learnt in chapter and the matter collected by you.(Integrated with library and English)</p> <p>Assessment : Pen – paper test, Concept map , HOTS , reasoning questions, Quiz and Value Based Questions</p> <p>- Compares horizons of soil profile.</p> <p>- Discusses and analyze the properties of soil.</p> <p>-Identifies the causes of soil erosion and its prevention.</p> <p>Activity: *Lab activities/ Class activities</p> <p>Assessment : Pen – paper test, Concept map , HOTS , reasoning questions, and Value Based Questions</p>
O	<p>Notebook Maintenance (C.W./H.W)</p> <p>Main Book: NCERT</p>			

Second Quarter

	July/August	September	October	November
Content	<p>* Acids, Bases and Salts</p> <p>*Transportation Animals and Plants.</p> <p>*Heat</p>	<p>*Physical And Chemical Changes</p> <p>*Light</p>	<p>*Electric current and its effect.</p> <p>*Motion and Time.</p>	<p>* Water/Waste Water Story(Collaboration with Social Sciences)</p> <p>*Forest: Our lifeline</p>
Outcomes	<p>-Differentiates between acids, bases and salts.</p> <p>-Observes the effect of indicators on different solutions.</p> <p>-Applications of Neutralization in daily life.</p> <p>Activity:</p> <p>*Lab activities</p> <p>* Class activity</p> <p>* Investigation : To check the acidity and basicity in food products</p> <p>Assessment: Pen – paper test, Concept map , HOTS , , Flow chart / Report Quiz, and Value Based Questions</p> <p>-Descriptions of Circulatory and Excretory System with the functions</p> <p>-Differentiates between Arteries and Veins.</p> <p>-Relates Importance of xylem and phloem in transportation and the phenomenon of transpiration.</p> <p>Activity:</p> <p>*Class activity</p> <p>* Lab activities</p> <p>Assessment: Pen – paper test, Concept map , HOTS , , Flowcharts, Quiz.</p> <p>Comprehends the term heat and use of thermometer to measure temperature.</p> <p>-Examines various modes of heat transfer in relation with the formation of land and sea breeze and day to day activities.</p> <p>Activity:</p> <p>*Class/Lab activities</p> <p>Assessment : Pen – paper test, Concept map , HOTS , reasoning questions, and Value Based Questions</p>	<p>-Observes and generalize the changes in surroundings.</p> <p>Familiarizes the process of galvanization and crystallization.</p> <p>Activity:</p> <p>*Lab activities</p> <p>*Class activities</p> <p>Assessment : Pen – paper test, Concept map , HOTS , reasoning questions, Quiz and Value Based Questions</p> <p>- Discusses the rectilinear propagation of light.</p> <p>- Compares the images formed by different types of mirror and lenses i .e. concave and convex.</p> <p>-Comprehends dispersion and its application.</p> <p>Activity:</p> <p>* Lab Experiments</p> <p>Assessment: Pen – paper test, Concept map , HOTS , reasoning questions, and Value Based Questions</p>	<p>-Identifies the electric components by electrical symbols and represent a circuit diagram.</p> <p>-Illustrates the importance of fuse in electrical circuit.</p> <p>-Examinations of electromagnets and their use in different devices.</p> <p>Activity:</p> <p>*Model making : To make electromagnets</p> <p>* Lab activities</p> <p>Assessment: Pen – paper test, Quiz, Concept map , HOTS , reasoning questions, Model ,and Value Based Questions</p> <p>* Measurement of time using periodic events</p> <p>-Analyzing motion along a straight line using graph.</p> <p>-Calculate speed in various motions.</p> <p>Activity:</p> <p>*Class activity</p> <p>*Lab activities</p> <p>Assessment: Pen – paper test, Concept map , HOTS , reasoning questions, and Value Based Questions</p>	<p>* Discusses the importance of water and effect of water scarcity on life.</p> <p>-Explores the sewage plant</p> <p>- Awares about different methods of conservation of water.</p> <p>Activity:</p> <p>*Explore : Visit to a sewage Plant</p> <p>*Lab activity</p> <p>Assessment: Pen – paper test, Concept map , HOTS , reasoning questions, Report and Value Based Questions</p> <p>- Discusses the importance of forest.</p> <p>Activity :</p> <p>*Role Play</p> <p>Assessment: Pen – paper test, Concept map , HOTS , reasoning questions, Quiz and Value Based Questions</p>
	<p align="center">Notebook Maintenance (C.W./H.W)</p> <p align="center">Main Book: NCERT</p>			