

BHARTIYA VIDYA MANDIR SENIOR SECONDARY SCHOOL
SECTOR-39, CHANDIGARH ROAD,LUDHIANA.

BOOK:NCERT		CLASS -VI, SUBJECT:SCIENCE	SESSION-2024-25	
MONTH	CHAPTER NAME	LEARNING OBJECTIVES	RESOURCES/ART-INTEGRATION/PEDAGOGY TOOL USED/E-RESOURCES	LEARNING OUTCOMES/ SKILLS LEARNT BY STUDENTS
APRIL	CH-1 COMPONENTS OF FOOD	LEARNERS WILL BE ABLE TO: *Know function of each nutrients in order to discuss the importance of nutrients in good health. *Understand the term obesity and its causes *Know about various deficiency diseases and their symptoms. *Understand the importance of balanced diet for a healthy living.	*Discussion *Assignment *Questioning *Contextual teaching and learning *Chalk and Board *Activity –To test the presence of starch using iodine.	Students know about importance of healthy living and role of various nutrients in keeping us fit and disease free. SKILLS: *Skill of classification *Skill of inquiring
	CH-2 SORTING MATERIALS INTO GROUPS	LEARNERS WILL BE ABLE TO: *Understand the concept of sorting and grouping of materials *Understand that same materials can be used to make multiple objects. *Sort objects into different groups based on their properties *Know the basis of classification of objects *Understand various physical properties-lustre, transparency, translucence, opaqueness.-	*Contextual teaching and learning *Chalk and Board *Assignment *Questioning	Students are able to classify objects into different groups according to the physical properties studied. SKILLS: *Gathering data and classification *Sorting and grouping *Analysis *Conclusion
MAY	CH-4 GETTING TO KNOW PLANTS	LEARNERS WILL BE ABLE TO: * Learn about different types of plants. *Know about different parts of the plant and their function *Know about the relationship between venation and type of roots:- *Know about structure of flower and their parts	*Contextual teaching and learning *Chalk and Board *Concept Mapping Activity- To draw the leaf venation *To cut the stem of a plant and dip into blue ink coloured water and see what happens.	Students know about transpiration. They are able to differentiate between herbs, shrubs and trees. They can explain the process of photosynthesis. They can distinguish between tap root and fibrous root system SKILLS: *Observation, *Experimentation *Conclusion *Scientific thinking and temper *Drawing and labelling
JUNE		SUMMER VACATIONS		
JULY	CH-3 SEPARATION OF SUBSTANCES	LEARNERS WILL BE ABLE TO: *Identify properties of given items and select a property that would help them easily separate the items from each other. Understand -methods that can be adapted in everyday life situations such as separation of husk from grains, separation of fine sand from coarse sand and arrive at logical conclusion that certain specific methods can be employed to separate solid mixtures based on the size, colour or weight of the components	*Contextual teaching and learning *Chalk and Board *Concept Mapping	Students are able to understand the need for separation of substances and apply different methods to separate the components of a mixture. SKILLS: *Observation *Scientific temper *Reasoning and analysis
	CH-5 BODY MOVEMENT	LEARNERS WILL BE ABLE TO : *Define joints, skeletal system, gait of animals. *Identify the type of joints in human body & their extent of movement /motion. *Draw labelled diagrams. *Compare the characteristics features of body movements of various organisms. *Identify the structure and function of skeletal system.	*Contextual teaching and learning *Chalk and Board *Demonstration method Activity- To make a model to show ball and socket joint.	Students are able to define joints, skeletal system .They are able to draw diagram of ball and socket joint. They appreciate joints and muscles in body. SKILLS: *Drawing and labelling *Observation *Analysis
AUGUST	CH-6 THE LIVING ORGANISMS- CHARACTERISTICS AND HABITATS	LEARNERS WILL BE ABLE TO : *Describe at least three different habitats. *List a variety of animals that live in a certain habitat. *Give examples of how a habitat meets the needs of an animal living there. *Summarize the key features of living organisms that contribute to their survival in their habitats .	*Brainstorming *Questioning *Discussion *Chalk and Board Activity- To observe germination of dry moong seeds in different abiotic conditions.	Students can differentiate between theterrestrial & aquatic habitats. Students are now able to list features of living organisms living in different habitats. SKILLS: *Experimentation *Observation
SEPTEMBER	REVISION	LEARNERS SHOULD BE ABLE TO: Revise all the concepts in a proper manner and clear their doubts, for Term 1 Examination.	*Interaction and discussion method in the class	SKILLS: Skills of inquiry and learning

OCTOBER	CH-7 MOTION AND MEASUREMENT OF DISTANCES	LEARNERS SHOULD BE ABLE TO : *Compare the measurement of length for an object using a scientific instrument and an unscientific instrument in order to differentiate between standard and nonstandard units of measurement. *Understand standard units of measurement of distance. * Sequence different modes of transport from earliest to the most recent in order to suggest possible modification required in current scenario. *Compare different types of motion.	*Brainstorming *Questioning *Discussion *Chalk and Board Activity- To measure approximate length of a curved line.	https://www.youtube.com/live/agzzNcTBhCs?si=oM0SSoYmMB-TcIq	Students can define types motion like rectilinear,periodic,circular motion. They know about importance of standard units of measurement in day to day life. They can solve related numericals. SKILLS: *Problem solving *Measurement
	CH-8 LIGHT,SHADOWS AND REFLECTION	LEARNERS SHOULD BE ABLE TO: *Understand the concept of reflection by a plane mirror. Distinguish objects based on the following features- emission of light by them and visibility through shadows & reflections. *Understand working of a pinhole camera.	*Chalk and Board *Learning by doing method *Concept mapping Activity- To make a model of pinhole camera.	https://www.youtube.com/live/yKCs-GN3EQE?si=UzTypd_C2ES3kVWH https://diksha.gov.in/play/collection/do_3131034750873272321967?content	Students appreciate the importance of reflection of light for visibility of objects around us. Students can now evaluate criteria for formation of shadows. SKILLS: * Scientific attitude *Experimentation *Observation
NOVEMBER	CH-9 ELECTRICITY AND CIRCUITS	LEARNERS SHOULD BE ABLE TO: *Understand electrical circuit and its various components. *Draw labelled electrical circuits. *Identify different types of electrical components and their symbols. *Differentiate between good and poor conductors of electricity.	*Chalk and Board *Demonstration method Activity-To test different objects to classify them as conductor and insulator in order to examine the role of conductors and insulators in day-to-day life.	https://youtu.be/v42MG2b_XXq?si=ZDH3e8ZcKUq10UM https://diksha.gov.in/play/collection/do_3131034750873272321967?content!d=do_31279857928611430417164	Students are able to apply the knowledge of electricity in day to day life. They are able to list necessary conditions for the flow of current.They infer why metals like copper and aluminium are used for making wires for domestic & industrial purposes. SKILLS: *Scientific temper *Collaboration *Experimentation *Observation
DECEMBER	CH-10 FUN WITH MAGNETS	LEARNERS SHOULD BE ABLE TO : *Recognise the magnets. *Differentiate between magnetic and non magnetic materials. *Know about the discovery of magnet. *List out the properties of magnets. *Explain the uses of magnets.	*Learning by doing *Chalk and Board *Explanation and discussion ACTIVITY: *Using a compass to find the directions at a given place. *To observe bar magnet, horse shoe magnet and see what happens when they are placed together and identify like and unlike poles.	https://www.youtube.com/live/zdz_B8GJA4?si=t9p_g11PDXHa14jNh play-collection (diksha.gov.in)	Students appreciate the importance of magnets in real life.They understand the properties of a magnet and their applications. SKILLS: *Observation *Scientific attitude
JANUARY	CH-11 AIR AROUND US	LEARNERS SHOULD BE ABLE TO: *Recall the composition of air. *Enlist the uses of air. *Understand the causes and effects of air pollution. *Prove the presence of air in water and soil in order to explain how oxygen becomes available to animals and plants.	*Chalk and Board *Demonstration method *Discussion and explanation. ACTIVITY- *To depict the composition of air using pie chart. *To observe that oxygen supports burning.	https://www.youtube.com/live/rFfa1ixA090?si=p_ekvuBqrC4H8Lwm play-collection (diksha.gov.in)	Students are able to outline the causes & effects of Air pollution. They appreciate the importance of air for sustenance of life. SKILLS: *Experimentation *Observation *Analysis *Conclusion
FEBRUARY	REVISION	LEARNERS SHOULD BE ABLE TO: Revise all the concepts in a proper manner and clear their doubts, for Final Examination.	*Interaction and discussion method in the class		SKILLS: Skills of inquiry and learning
MARCH			FINAL EXAMS		