

		<p>CH 3 HEAT - *Measuring temperature using thermometer - *Types of thermometer-Clinical, Laboratory - *Precautions using thermometers - *Transfer of heat(Different modes) - *Conduction-Insulators and conductors - *Convection- Land breeze and Sea - Radiation</p>		<p>*Defines temperature, thermometer, conduction,radiation - *Distinguish the Clinical thermometer from Laboratory thermometer (range, least count, units of measurement) - *List precautions while using a clinical and laboratory thermometer - *Devises an activity to elaborate the process of thermal conduction, convection & radiation *Recall the role of food as source of energy *Explain why a substance remains in the same temperature in a Thermos flask or vacuum bottle</p>	<p>*To observe the rate of heat transferred in different materials *Measure body temperature using clinical and digital thermometers *Observe the range of Laboratory and clinical thermometer *Take one black painted can and one white painted can and measure temperature of water in both cans using Lab thermometer *Making convection spiral *Flow of heat through a metal strip.</p>					
	PT 1 IN JULY MAXIMUM MARKS - 40 (30% OF TERM I)									
JULY		<p>Ch-4 :Acids,Bases and Salts *Acids and Bases - *Natural Indicators Around us - Litmus,turmeric and China rose as natural indicator - *Neutralisation - *Neutralisation in everyday life</p>		<p>*Recognise substances as sour and bitter - *Examine the common substance used at home based on taste and touch and classify them as acidic or basic - *Summarizes observations with respect to behavior of indicators in acidic and basic solutions - *Analysis neutralization reactions and its characteristics - *Evaluate the effectiveness of certain neutralization reactions employed in everyday life. - *Analysis neutralization reactions and its characteristics - *Evaluate the effectiveness of certain neutralization reactions employed in everyday life</p>	<p>*Test the samples of acidic ,basic and neutral substances using blue and red Litmus paper - *Make a greeting card using turmeric paper - *Prepare china rose indicator and red cabbage indicator to test different solutions - *Process of neutralisation using phenolphthalein indicator - *Observing the use of milk of magnesia, baking soda, calamine solution ,quick lime etc in our daily life</p>					
AUGUST		<p>Ch-5: Physical and Chemical Changes - *Physical changes and Chemical changes - *Activities of Chemical changes - *Rusting of Iron - Crystallisation</p>		<p>*Defines physical, chemical changes, reversible and irreversible change - *Differentiates physical changes from other changes - *Design an activity to prevent rusting by painting,oiling - *Illustrate the usage of crystallization in purification of various salts - *Applies related concepts in his daily life situations.</p>	<p>*Activities to show physical changes - *Burning of magnesium ribbon - Reaction of CuSO₄ with iron - *Reaction of Vinegar with baking soda and the gas released will turn lime water milky - *Process of crystallisation</p>					
		<p>Ch 6: Respiration in Organisms - *Why do we respire? - *The process of breathing - *Breathing in other animals - *Do plants also respire?</p>		<p>*Understand respiration as breakdown of food for energy - *Differentiate aerobic and anaerobic respiration - *Illustrate the respiratory system with labeling - *Compare respiration and breathing - *Analysis the position of diaphragm during inhalation and exhalation - *Analysis the position of diaphragm during inhalation and exhalation - explain the process of breathing in plants and animals</p>	<p>*Compare the breathing rate of self, parents, children and old people - *Anulom Vilom Yoga - *Make model to show mechanism of breathing - *To check the effect of exhaled air on lime water - *Collect and share information about *Artificial respiration</p>					

		REVISION - HALF-YEARLY EXAMINATION (30 + 20 = 50% OF Annual Syllabus) PT2 in Sep Max M: 80 (Weightage 80 m)							
SEPTEMBER									
OCTOBER		Ch 7: Transportation in Animals and Plants - *Circulation - *Blood, Blood vessels and heart - *Heartbeat - *Excretory system in humans - *Transport of substances in plants - *Transport of water and minerals in plants		*Discuss the importance of transportation in organisms - *List the components of Circulatory system - *Diagrammatic representation of heart - *Analysis the role of heart in blood circulation - *Discuss the role of excretory system in transportation - *Evaluate the role of artificial kidney in blood filtration	* To check the pulse rate of children and adults and compare - *Model of a stethoscope - *Find out the blood groups and their importance - *Find out the blood groups and their importance - *Potato activity to show transportation of water through cells - *Collect and share information about ECG and Dialysis - *Activity for transpiration				
NOVEMBER		CH 8 REPRODUCTION IN PLANTS - *Modes of reproduction, - *Asexual reproduction- Vegetative propagation, - budding, fragmentation, Spore formation - *Vegetative propagation from leaf, stem and root - *Pollination - *Fertilization - *Fruit and seed formation - *Seed dispersal		*Define reproduction - *Distinguish asexual and sexual reproduction - *List the modes of asexual reproduction - *Analysis the role of vegetative parts of a plant in reproduction *Classify asexual reproduction into different types - *List examples for the types of asexual reproduction - *Examine the role of flower in reproduction - *Compare self and cross pollination - *Evaluate the concept of seed dispersal in plant reproduction - dispersal of seeds	*Observe vegetative propagation in potato, carrot, bryophyllum etc - *Examine the parts of flower and understand the importance of them - *Specimen of different types of seeds to study seed dispersal				
		CH 9 MOTION AND TIME - *Slow or fast - *Speed - *Measurement of time - *Units of time and speed - *Measuring speed - *Distance-time graph		*Recall the types of motion - *Define speed and demonstrate time period on simple pendulum - *Compare uniform and non uniform motion - understand the relation between speed, distance and time - *Solve numericals on speed - *Analyse distance and time graph - *Learn to plot a bar graph and line graph	*Calculate the time period of a simple pendulum *Calculating speed of animals in Table 13.4 - *Plot a distance-time graph of an object moving with Uniform and Non uniform speed - *Model of a sand clock - *Distance-time graph				
		CH 10 ELECTRIC CURRENT AND ITS EFFECTS - *Symbols of electric components - *Open and closed circuit, circuit diagram - *Heating, lighting, Magnetic effects of electric current - *Electromagnets		*List the uses of electricity in daily life - *Draw the symbols of electricity - *Demonstrate the flow of current through a circuit - *Schematic representation of circuit using symbols of battery, wire, switch and bulb - *Differentiate between open and close circuit - *Analysis the two effects of current: heat and magnetic	Make an electric circuit				
		PT-3 in Dec Max M: 40 (Weightage 40m) PT3-30% of Term 2 (Oct to Nov syllabus)							

