

Sub:- SCIENCE

C.B KHEDGI INTERNATIONAL SCHOOL, AKKALKOT.

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ANNUAL PLAN. 2024-25

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TOPIC	SUB-TOPIC	Time Required Period.	OBJECTIVES	ASSIGNMENT	REMARK
April	1. Nutrition in plants.	- mode of nutrition in plants - Photosynthesis, food making process in plants - Other mode of Nutrition in plants - Saprotrophs.	14 Explain nutrition the different of mode of nutrition Photosynthesis process Saprotrophic nutrition and Saprotrophs	Explain parasite and host.	
June	2. Nutrition in Animals	- different way of taking food - Digestion in humans - Digestive System. - grass eating animals	12 The different ways of taking food - understanding the human digestive System.	- The different way taking food. To show experiments saliva breaks down the sugars.	
July	3. Heat	hot and cold - Thermometer - max & mini thermometer - Conduction, convection - Transfer of heat.	16 difference and similar. sites clinical and laboratory thermometer.	To show experimentally flow of heat and thermometer.	P.A-11
July	4. Acid, Bases and salts.	- Acid, Bases - salt - indicators - Neutralisation - how to neutralise Substances	11 Knowing acid and Bases Indicator by using blue and red litmus paper Neutralisation in day-to-day life	To show experimentally acid and base. reaction by using red and blue litmus.	

MONTH	TOPIC	SUB-TOPIC	Required Period	OBJECTIVES	ASSIGNMENTS	REMARKS
August	5. Physical and Chemical changes	<ul style="list-style-type: none"> <li>- Physical change</li> <li>- Chemical change</li> <li>- Rusting of iron.</li> </ul>	12	<ul style="list-style-type: none"> <li>- Physical change and Chemical change</li> <li>- Knowing Rusting of iron</li> <li>- Crystallisation</li> </ul>	To show experimentally change in colour of $\text{CuSO}_4$ solution due to reaction with iron set up to gas through lime water	
September	6. Motion & Time	Slow or fast <ul style="list-style-type: none"> <li>- measurement of time</li> <li>- speed</li> <li>- time</li> <li>- measuring speed dist./time graph</li> </ul>	10	<ul style="list-style-type: none"> <li>- Numericals to solve</li> <li>- Time and distance</li> <li>- graph</li> </ul>	To show experimentally different position of an oscillatory simple pendulum	
October	7. Respiration in Organism.	why do we respire <ul style="list-style-type: none"> <li>- respiratory system</li> <li>- breathing in fish</li> <li>- diaphragm</li> </ul>	13	<ul style="list-style-type: none"> <li>- Respiration</li> <li>- aerobic</li> <li>- anaerobic</li> <li>- Biological process</li> </ul>	To show experimentally breathing by working model.	SA-II
November	8. Transportation in plants and animals	<ul style="list-style-type: none"> <li>- Circulatory system</li> <li>- excretion of substances</li> <li>- transpiration</li> </ul>	15	<ul style="list-style-type: none"> <li>- Circulatory system in detail</li> <li>- diagram of heart</li> <li>- To know the significance in plant: human heart, blood vessel, heart.</li> </ul>	To show experimentally pumping of heart.	

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December	9. Reproduction In plants.	<ul style="list-style-type: none"> <li>- different modes of Reproduction</li> <li>- Budding in yeast</li> <li>- fragmentation spore formation</li> <li>- Sexual Reproduction</li> <li>- pollination</li> <li>- fertilisation.</li> </ul>	11	<ul style="list-style-type: none"> <li>- To explain asexual and sexual mode of Reproduction</li> <li>- Seed dispersal</li> <li>- types of pollination</li> </ul>	<ul style="list-style-type: none"> <li>- To show experimentally fragmentation in algae</li> <li>- Sexual reproduction in hibiscus flower.</li> </ul>	
January	10. Light	<ul style="list-style-type: none"> <li>- Introduction</li> <li>- light travels along straight line.</li> <li>- Reflection of light</li> <li>- Spherical mirrors</li> <li>- Sunlight white or coloured.</li> </ul>	13	<ul style="list-style-type: none"> <li>- To show light Convex and Concave examples</li> <li>- playing mirror</li> <li>- Reflection</li> </ul>	<ul style="list-style-type: none"> <li>- To show experimentally the convex and Concave mirror by using spoon.</li> </ul>	PA-2
	Electric Current and its effect.	<ul style="list-style-type: none"> <li>- Symbol and circuit</li> <li>- heating effect</li> <li>- electric bell</li> <li>- cells</li> <li>- battery</li> </ul>	14	<ul style="list-style-type: none"> <li>- To show circuit Cell and bulb</li> <li>- glow</li> <li>- Corrections</li> <li>- Switch</li> <li>- heating effect with diagram</li> </ul>	<ul style="list-style-type: none"> <li>- To show experimentally electric circuit</li> <li>- by glowing bulb</li> <li>- using wire, bulbs, batteries switch.</li> </ul>	

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February	12. Forest; Our lifeline...	Visit To FOREST	12	<ul style="list-style-type: none"> <li>- To aware the fresh with</li> <li>- dynamic living entity</li> <li>- Balance of <math>O_2</math> and <math>CO_2</math></li> </ul>	<ul style="list-style-type: none"> <li>To show or Visit forests.</li> </ul>	
		<ul style="list-style-type: none"> <li>- Intermittent of plant, soil and decomposers in a forest</li> <li>- Rainwater drops from trees and seeps into ground</li> </ul>				
		<ul style="list-style-type: none"> <li>Canopy, deforestation, seed dispersal, Regeneration.</li> </ul>				
February	13. Wastewater story	- water our lifeline	11	<ul style="list-style-type: none"> <li>To aware about water is life</li> <li>water harvesting process.</li> <li>- sewage disposal at time to definite place</li> </ul>	<ul style="list-style-type: none"> <li>To visit watery areas.</li> </ul>	SA-2
		<ul style="list-style-type: none"> <li>- Sewage water freshens</li> <li>An eventful Journey</li> <li>- Sanitation and disease</li> <li>- Sewage disposal.</li> </ul>				