

NAVY CHILDREN SCHOOL, KARWAR
CHAPTERWISE SPLIT UP SYLLABUS FOR ACADEMIC YEAR 2023-2024

CLASS X
SCIENCE

MONTH	CHAP NO	CHAPTER NAME	SUGGESTED ACTIVITIES
		TERM 1	
APRIL TO JUNE	CH-1	CHEMICAL REACTIONS AND EQUATIONS	<ul style="list-style-type: none"> • Performing and observing the following reactions and classifying them into: <ul style="list-style-type: none"> A. Combination reaction B. Decomposition reaction C. Displacement reaction D. Double displacement reaction: <ul style="list-style-type: none"> (i) Action of water on quicklime (ii) Action of heat on ferrous sulphate crystals (iii) Iron nails kept in copper sulphate solution (iv) Reaction between sodium sulphate and barium chloride solutions.
	CH-6	LIFE PROCESS	<ul style="list-style-type: none"> • Preparing a temporary mount of leaf peel to show stomata. • Experimentally show that carbon dioxide is given out during respiration.
	CH-10	LIGHT REFLECTION AND REFRACTION	<ul style="list-style-type: none"> • Focal length of concave mirror and convex lens
	CH-2	ACIDS BASES AND SALTS	<ul style="list-style-type: none"> • Studying the properties of acids bases and salts. • Finding the pH of different samples by using pH paper/universal indicator. : <ul style="list-style-type: none"> (i) Dilute Hydrochloric Acid (ii) Dilute NaOH solution (iii) Dilute Ethanoic Acid (iv) Lemon juice (v) Water (vi) Dilute Hydrogen Carbonate

<p>PT1</p> <p>JULY</p>	<p>CH-11</p> <p>CH-7</p> <p>CH-3</p>	<p>03 July to 07 July</p> <p>HUMAN EYE AND THE COLOURFUL WORLD</p> <p>CONTROL AND COORDINATION</p> <p>METALS AND NON METALS</p>	<ul style="list-style-type: none"> • Refraction of light through glass slab. • Image formation in convex lens. • Tracing the path of the rays of light through a glass prism • Conduct an experiment to show phototropism • Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions: (i) $ZnSO_4(aq)$ (ii) $FeSO_4(aq)$ (iii) $CuSO_4(aq)$ (iv) $Al_2(SO_4)_3(aq)$
<p>AUGUST</p>	<p>CH-5</p> <p>CH-8</p> <p>CH-12</p> <p>CH-9</p>	<p>PERIODIC PROPERTIES OF ELEMENTS</p> <p>HOW DO ORGANISM REPRODUCE?</p> <p>ELECTRICITY</p> <p>HEREDITY AND EVOLUTION</p>	<ul style="list-style-type: none"> • Studying binary fission in amoeba, and budding in yeast and hydra with the help of prepared slides • Identification of different parts of an embryo of a dicot seed (Pea, gram or red kidney bean) • Verification of Ohm's law • Collect examples for analogous and homologous organs
<p>MID TERM</p> <p>SEPTEMBER</p>	<p>CH-9</p> <p>CH-12</p> <p>CH-14</p>	<p>06 Sep 23 to 15 Sep 23</p> <p>CARBON AND ITS COMPOUNDS</p> <p>ELECTRICITY (CONTD)</p> <p>SOURCES OF ENERGY</p>	<ul style="list-style-type: none"> • Study of the comparative cleaning capacity of a sample of soap in soft and hard water • Combination of resistors • Make a model of wind mill

		TERM-2	
OCTOBER	CH-16	SUSTAINABLE MANAGEMENT OF NATURAL RESOURCES	<ul style="list-style-type: none"> • Conduct a seminar on the conservation of water.
	CH-15	OUR ENVIRONMENT	<ul style="list-style-type: none"> • Make a chart of energy transfer in various tropic level.
	CH-12	MAGNETIC EFFECT OF ELECTRIC CURRENT	
	CH-4	CARBON AND ITS COMPOUNDS	<ul style="list-style-type: none"> • Studying the properties of Acetic acid
NOVEMBER		Revision for Pre board exam, First pre board	
DECEMBER		Second Preboard	
JANUARY		Revision for board exam	
FEBRUARY		(REVISION FOR BOARD EXAMINATION)	ANNUAL EXAMINATION
MARCH		BOARD EXAMINATION	