

NAVY CHILDREN SCHOOL, DELHI
UPDATED SPLIT UP BASED SYLLABUS FOR ACADEMIC YEAR
2024-2025 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 PROCESSES (Nutrition and respiration)	<ul style="list-style-type: none"> ● Preparing a temporary mount of leaf peel to show stomata.
	CH-10	LIGHT REFLECTION AND REFRACTION	<ul style="list-style-type: none"> ● Experimentally show that carbon dioxide is given out during respiration.

JULY	CH-5	LIFE PROCESSES (CONTD.)	
	CH-6	CONTROL & COORDINATION	<ul style="list-style-type: none"> • Conduct an experiment to show photo-tropism , geotropism
	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. : (i) Dilute Hydrochloric Acid (ii) Dilute NaOH solution (iii) Dilute Ethanoic Acid (iv) Lemon juice (v) Water (vi)Dilute Hydrogen Carbonate
	CH-9	LIGHT REFLECTION AND REFRACTION (CONTD.)	<ul style="list-style-type: none"> • Focal length of concave mirror and convex lens
	CH-10	HUMAN EYE AND THE COLOURFUL WORLD (FULL CHAPTER)	<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

AUGUST	CH- 3	METALS AND NON-METALS	<ul style="list-style-type: none"> 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) $Al_2(SO_4)_3(aq)$
	CH-6	CONTROL AND COORDINATION (CONTD.)	
	CH-13	OUR ENVIRONMENT	<ul style="list-style-type: none"> Make a chart of energy transfer in various tropic level.
	CH-11	ELECTRICITY	<ul style="list-style-type: none"> Verification of Ohm's law
SEPTEMBER	CH-4	CARBON AND ITS COMPOUNDS	<ul style="list-style-type: none"> Study of the comparative cleaning capacity of a sample of soap in soft and hard water
	CH-7	HOW DO ORGANISMS REPRODUCE?	<ul style="list-style-type: none"> Studying binary fission in amoeba, and budding in yeast and hydra with the help of prepared slides
	CH-11	ELECTRICITY(CONTD.)	
OCTOBER	CH-4	CARBON AND ITS COMPOUNDS	<ul style="list-style-type: none"> Studying the properties of Acetic acid
Syllabus completion by last week of October	CH-7	HOW DO ORGANISMS REPRODUCE?	<ul style="list-style-type: none"> Identification of different parts of an embryo of a dicot seed (Pea, gram or red kidney bean)
	CH-8	HEREDITY	
	CH-12	MAGNETIC EFFECTS OF ELECTRIC CURRENT	<ul style="list-style-type: none"> Combination of resistors

NOVEMBER		<ul style="list-style-type: none"> Revision for Pre board exam <p>First Preboard</p>	
DECEMBER		Second Preboard	
JANUARY		Revision for board exam	
FEBRUARY		(REVISION FOR BOARD EXAMINATION)	ANNUAL EXAMINATION
MARCH		BOARD EXAMINATION 24-25	

