

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. ● Preparing a temporary mount of leaf peel to show stomata. ● Experimentally show that carbon dioxide is given out during respiration.
	CH-6	LIFE PROCESSES (Nutrition and respiration)	
	CH-10	LIGHT REFLECTION AND REFRACTION	

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. <ul style="list-style-type: none"> : <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
	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)ZnSO₄(aq) (ii) FeSO₄(aq) (iii)CuSO₄(aq) (iv)Al₂(SO₄)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 • Studying binary fission in amoeba, and budding in yeast and hydra with the help of prepared slides 	
	CH-7	HOW DO ORGANISMS REPRODUCE?		
	CH-11	ELECTRICITY(CONTD.)		
OCTOBER	CH-4	CARBON AND ITS COMPOUNDS	<ul style="list-style-type: none"> • Studying the properties of Acetic acid • Identification of different parts of an embryo of a dicot seed (Pea, gram or red kidney bean) • Combination of resistors 	
	CH-7	HOW DO ORGANISMS REPRODUCE?		
	CH-8	HEREDITY		
	CH-12	MAGNETIC EFFECTS OF ELECTRIC CURRENT		

Syllabus completion by last week of October

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	

