

AIR FORCE SCHOOL, BAMRAULI
ANNUAL SPLIT-UP OF SYLLABUS
ACADEMIC SESSION (2025-26)

CLASS-X

SUB-SCIENCE
BOOK- NCERT

MONTH NAME	CHAPTER NO. & NAME	TOPIC/SUB-TOPICS	NO. OF PERIODS	ACTIVITY
April	1-Chemical Reactions & Equations	Balance Chemical reaction, types of chemical reactions	11	Write 10 examples of chemical reactions which happen naturally
	9-Light-Reflection & Refraction	Reflection, dispersion & refraction of light, images formed by lens & mirrors and Power of lens	12	Determination of the focal length of concave mirror & convex lens by obtaining the image of a distant object
May	5-Life Processes	Basic concept of nutrition, respiration, transportation & excretion in plants & animals	10	Demonstrate that CO ₂ is given out during respiration
June	5-Life Processes (Contd.)		11	Preparing a temporary mount of a leaf peel to show stomata
July	6-Control & Coordination	Plant & animal hormones, reflex system & nervous system in humans and parts of human brain	13	Activity 7.1, 7.2 & 7.3 from NCERT
	2-Acids, Bases & Salts	General properties of Acid, base & salt and pH paper	13	
Aug	10-Human Eye & Colourful World	Human eye & its defects and dispersion & atmospheric refraction of light	10	Tracing the path of the rays of light through a glass prism
	4-Carbon & its Compounds	Versatile nature of Carbon, Nomenclature and different organic compounds	14	Studying the different properties of acetic acid
Sept	8-How do Organisms Reproduce?	Sexual & asexual reproduction in plants & animals, methods of family planning and AIDS	11	Studying the binary fission in <i>Amoeba</i> and in yeast & <i>Hydra</i> in permanent slides

	8-Heredity	Mendel's laws and basic concepts of Evolution	10	Study the homologous & analogous examples in plants & animals
Oct	11-Electricity	Ohm's & Joules' law, Resistance & resistivity and electric power	12	Determination of the equivalent resistance of 2 resistors when connected in series & parallel
	13-Our Environment	Ecosystem, waste management and Ozone depletion	8	Draw an aquatic ecosystem.
Nov	3-Metals and Non-metals	Properties of metals & non metals and basic metallurgy processes	12	Observing the action of different metals on their salt solutions and arranging them in reactivity series
	12-Magnetic Effects of Electric Current	Magnetic field, Fleming's left & right hand rule, Induced current, DC motor and AC generator	11	Draw magnetic field with the help of compass needle, bar magnet and iron filings
Dec	Sample Papers			
Jan				
Feb				

