

AIR FORCE SCHOOL, BAMRAULI
ANNUAL SPLIT-UP SYLLABUS
ACADEMIC SESSION (2022-23)

CLASS :-X

SUB-SCIENCE
BOOK- NCERT

MONTH NAME	CHAPTER NO. & NAME	TOPIC/SUB-TOPIC	ACTIVITY
April	1-Chemical Reactions & Equations	Balance Chemical reaction, types of chemical reactions	Write 10 examples of chemical reactions which happen naturally
	10-Light-Reflection & Refraction	Reflection, dispersion & refraction of light, images formed by lens & mirrors and Power of lens	Determination of the focal length of concave mirror & convex lens by obtaining the image of a distant object
May	6-Life Processes	Basic concept of nutrition, respiration, transportation & excretion in plants & animals	Demonstrate that CO ₂ is given out during respiration
June	6-Life Processes (Contd.)		Preparing a temporary mount of a leaf peel to show stomata
July	8-How do Organisms Reproduce?	Sexual & asexual reproduction in plants & animals, methods of family planning and AIDS	Studying the binary fission in <i>Amoeba</i> and in yeast & <i>Hydra</i> in permanent slides
	2-Acids, Bases & Salts	General properties of Acid, base & salt and pH paper	Finding the pH of the given samples by using pH paper
	11-Human Eye & Colourful World	Human eye & its defects and dispersion & atmospheric refraction of light	Tracing the path of the rays of light through a glass prism
Aug	4-Carbon & its Compounds	Versatile nature of Carbon, Nomenclature and different organic compounds	Studying the different properties of acetic acid
	14-Sources of Energy	Different forms of energy and their advantages & disadvantages	Activities 14.1 & 14.2 from NCERT

	3-Metals and Non-metals	Properties of metals & non metals and basic metallurgy processes	Observing the action of different metals on their salt solutions and arranging them in reactivity series
Sept	7-Control & Coordination	Plant & animal hormones, reflex system & nervous system in humans and parts of human brain	Activity 7.1, 7.2 & 7.3 from NCERT
Oct	12-Electricity	Ohm's & Joules' law, Resistance & resistivity and electric power	Determination of the equivalent resistance of 2 resistors when connected in series & parallel
	15-Our Environment	Ecosystem, waste management and Ozone depletion	Draw an aquatic ecosystem.
Nov	5-Periodic Classification of Elements	Early attempts & modern periodic table and Periodic trends	Make a chart of elements having atomic number 1 to 30 and give added info of symbol, atomic mass, valency and state of matter
	13-Magnetic Effects of Electric Current	Magnetic field, Fleming's left & right hand rule, Induced current, DC motor and AC generator	Draw magnetic field with the help of compass needle, bar magnet and iron filings
	9-Heredity & Evolution	Mendel's laws and basic concepts of Evolution	Study the homologous & analogous examples in plants & animals
Dec	16-Management of Natural Resources	Conservation of natural resources and water harvesting	Water harvesting system in our city.
Jan	Sample Papers		
Feb			

