

AIR FORCE SCHOOL BAMRAULI
ANNUAL SPLIT-UP OF SYLLABUS

Academic session: 2024-2025

CLASS : VII

SUBJECT:SCIENCE

BOOK : SCIENCE FOR CLASS VII (NCERT)

MONTH NAME	CHAPTER NO. & CHAPTER NAME	TOPIC/ SUBTOPIC	ACTIVITY	PERIODS
APRIL	Ch:1 Nutrition in plants	Mode of nutrition in Plants, Photosynthesis- food making process in plants, Other modes of nutrition in Plants, Saprotrophs, How nutrients are replenished in the soil.	<ul style="list-style-type: none"> • Observe stomata in leaves of different plants • Activities:1.2&1.2and • Extended Learning Activities • Multiple assessment: • Concept maps, • Drawing, • Puzzles, Quizzes etc • Notebook correction 	10
	Ch:4 Acid base and salts	Acids and Bases, Natural Indicators around us, Neutralization, Neutralisations in everyday life.	<ul style="list-style-type: none"> • Process of neutralisation by using acid and base. • Activities:5.1and 5.2 • Extended learning activities 	11
CLASS TEST FROM 22 APRIL TO 5 MAY SYLLABUS : CH 1 & 4				
MAY-JUNE	ch:2 Nutrition In animals	Different ways of taking food, Digestion in humans, digestion in grass eating animals, Feeding and digestion in amoeba	<ul style="list-style-type: none"> • To observe effect of saliva on starch. • Activities:2.2,-2.4and • Extended Learning Activities 	15
PT 1 FROM 1 TO 8 JULY, SYLLABUS: CH 1, 2 & 4				
JULY	ch:3 Heat	Hot and Cold, Measuring Temperature, Laboratory Thermometer, Transfer of Heat, Kinds of clothes we wear in Summer and winter.	<ul style="list-style-type: none"> • Measure the body temperature of some of your friends • Activities: 6.1 to 6.9 and Extended Learning Activities 	12
	ch:6 Respiration in organisms	Why do we respire?, Breathing, how do we breathe?, what do we breathe out?, breathing in other animals, breathing underwater, do plants also respire?	<ul style="list-style-type: none"> • To observe Variation in the breathing rate during different activities. • Activities:10.1to10.4 • Extended learning activities • Change in colour of the copper sulphate solution due to reaction with iron 	13

AUGUST	ch:5 Physical and Chemical changes	Physical Changes, Chemical Changes, Rusting of Iron, Crystallization	<ul style="list-style-type: none"> • Change in colour of the copper sulphate solution due to reaction with iron. • Activities: 6.1 to 6.9 and • Extended Learning Activities 	12
	ch:9 Motion and time	Slow or Fast, Speed, Measurement of Time, Measuring Speed, Distance-Time Graph	<ul style="list-style-type: none"> • Make a simple pendulum and observe Different positions of the bob of an oscillating simple pendulum. • Activity:13.1, to13.3, and • Extended learning activities 	12
HALF YEARLY FROM 17 TO 30 SEPT. SYLLABUS : CH 1, 2, 3, 4, 5, 6, & 9				
SEPTEMBER	Ch7 Transportation in animals And plants	Circulatory system (arteries, veins, structure of heart and its function, heartbeat) Excretion in animals, Transport of substances in plants	<ul style="list-style-type: none"> • To make Model of stethoscope. • Activity:11.1 to 11.3 and • E- learning activities 	10
OCTOBER	ch:8 Reproduction in plants	Modes of reproduction, sexual reproduction, fruits and seed formation, seed dispersal.	<ul style="list-style-type: none"> • Take a mustard/China rose/petunia flower and separate its reproductive parts. • Study the various parts of a stamen and pistil. • Modes of reproduction, Sexual reproduction, • Fruits and seeds formation, Seed dispersal 	15
NOVEMBER	Ch:10 Electric current and its effects	Symbols of electric components, Heating effect of electric current, Magnetic effect of electric current, Electromagnet, Electric bell.	<ul style="list-style-type: none"> • Make an electric circuit by using cell, bulb and safety pin. • Activity:14.1to 146, and • Extended learning activities 	10
	Ch:12 Forest: Our lifeline	Visit to a forest - Crown, Canopy, Decomposer, Deforestation, Humus, Regeneration, Seed dispersal, Soil erosion, Understorey.	<ul style="list-style-type: none"> • Observe the various things in your home and make a list of those which are made from material which may have been obtained from the forest. • Activity:17.1to17.3 and • Extended learning activities 	11
9 TO 17 DEC. PREIODIC TEST SYLLABUS: CH 7, 8 & 10				
DECEMBER	Ch:11 light	Light travels along a straight line, Reflection of light, Right or left!, Playing with spherical mirrors, Images formed by lenses, Sunlight - white or colored?	<ul style="list-style-type: none"> • Check Reflection of light from a mirror. • Activity:15.1to15.12, and • Extended Learning Activities, • Prism, Newton disc, • Periscope 	8

	Ch:13 Waste Water Story	Water, our lifeline, What is sewage?, Water freshens up – an eventful journey, Wastewater treatment plant, Better housekeeping practices, Sanitation and disease, Alternative arrangement for sewage disposal, Sanitation at public places.	<ul style="list-style-type: none"> • Locate an open drain near your home, school or on the roadside and inspect water flowing through it. • Activity:18.1 to 18.4 and • extended learning activities 	8
JANUARY	REVIS ION		Concept maps, Quizzes, Drawing, Puzzles, Discussions etc	
CLASS TEST FROM 5 TO 15 FEB SYLLABUS : CH 11 & 12				
FEBRUARY	REVIS ION		Concept maps, Quizzes, Drawing, Puzzles, Discussions etc	
MARCH	ANNUAL EXAM 3 MARCH ONWARDS			

