

**AIR FORCE SCHOOL BAMRAULI ANNUAL
SPLIT-UP OF SYLLABUS
Academic session: 2025-2026**

CLASS : VII

SUBJECT:SCIENCE

BOOK : SCIENCE FOR CLASS VII (NCERT)

MONTH NAME	CHAPTER NO. & 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
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
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
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 14.6, and 	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 	11
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