

AIR FORCE SCHOOL BAMRAULI
ANNUAL SPLIT-UP OF SYLLABUS

Academic session: 2022-2023

CLASS : VII

SUBJECT : SCIENCE

BOOK : SCIENCE FOR CLASS VII (NCERT)

MONTH NAME	CHAPTER NO: & CHAPTER NAME	TOPIC/ SUBTOPIC	ACTIVITY
APRIL	Ch:1 Nutrition in plants	ch:1 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.	Ch-1 Observe stomata in leaves of different plants
	ch:2 Nutrition in animals	ch:2 Different ways of taking food, Digestion in humans, Digestion in grass-eating animals, feeding and digestion In amoeba.	Ch-2 To observe effect of saliva on starch
MAY- JUNE	ch:3 fibre to fabric	ch,3 Animal fibres — wool and silk, animals that yield wool, from fibres to wool, Processing fibres into wool, Life history of silk moth,silk-From cocoon to silk,	ch -3 Debate amongst your classmates whether it is fair on the part of humans to rear sheep and then chop off their hair for getting wool
JULY	ch:4 Heat	ch:4 Hot and Cold, Measuring Temperature, Laboratory Thermometer, Transfer of Heat, Kinds of clothes we	Ch-4 Measure the body temperature of some of your friends

	<p>ch:5 Acid base and salts</p> <p>ch:6 Physical And Chemical changes</p>	<p>wear in summer and winter.</p> <p>ch-5 Acids and Bases, Natural Indicators around us, Neutralization, Neutralisations in everyday life.</p> <p>ch:6 Physical changes, Chemical change, rusting of Iron, Crystallization.</p>	<p>Ch-5 Process of neutralisation by using acid and base</p> <p>Ch-6 Change in colour of the copper sulphate solution due to reaction with iron</p>
AUGUST	<p>ch:7 Weather Climate and Adaptation of animals to climate</p> <p>ch:8 Winds, Storms, and Cyclones</p>	<p>ch:7 Weather, Climate, Climate and Adaptation</p> <p>ch:8 Air exerts pressure, High-speed winds Are accompanied by reduced air pressure, air expands on heating, wind currents are generated due to uneven heating on the earth, thunderstorms and cyclones, destruction caused by cyclones, effective safety measures, advanced technology has helped</p>	<p>ch-7 Take an outline map of the world. Mark the polar regions in blue. Similarly, mark the tropical regions in red.</p> <p>Ch-8 Observe The shape of the balloon in hot and cold water</p>
SEPTEMBER	<p>ch:9 Soil</p> <p>ch:10 Respiration in organisms</p>	<p>ch:9 soil teeming with life, soil profile, soil types, properties of soil, moisture in soil, absorption of water by soil, soil and crops.</p> <p>ch:10 Why Do We Respire?, Breathing, how do we breathe?, what do we breathe out?, breathing in other animals, breathing underwater, do plants also respire?</p>	<p>ch -9 Removing moisture from the soil</p> <p>Ch-10 To observe Variation in the breathing rate during different activities</p>

OCTOBER	ch:11 Transportation in animals And plants	ch:11 Circulatory system (arteries, veins, structure of heart and its function, heartbeat) excretion in animals, transport of substances in plants	ch -11 To make Model of stethoscope
NOVEMBER	ch:12 Reproduction in plants ch:13 Motion and time	ch:12 modes of reproduction, sexual reproduction, fruits and seed formation, seed dispersal. ch:13 slow or fast, speed, measurement of time, measuring speed, distance-time graph.	Ch-12 Take a mustard/China rose/petunia flower and separate its reproductive parts. Study the various parts of a stamen and pistil. Ch-13 Make a simple pendulum and observe Different positions of the bob of an oscillating simple pendulum
DECEMBER	ch:14 Electric current and its effects ch:15 light	ch:14 symbols of electric components, heating effect of electric current, magnetic effect of electric current, electromagnet, electric bell. ch:15 light travels along a straight line, reflection of light, right or left!, playing with spherical mirrors, images formed by lenses, sunlight — white or coloured?.	ch-14 Make an electric circuit by using cell, bulb and safety pin Ch-15 Check Reflection of light from a mirror
JANUARY	ch:16 Water: A precious resource	ch:16 how much water is available, forms of water, groundwater as an important source of water, depletion of water table, distribution of water, water management, what role you can play, effect of water scarcity on plants.	ch-16 Collect clippings from newspapers and magazines on the news items, articles and pictures related to water shortage. Paste them in your scrapbook

	ch:17 Forest: Our lifeline	ch:17 visit to a forest- crown,canopy,decomposer ,deforestation,humus, regeneration, seed dispersal,soil erosion understorey.	Ch-17 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.
FEBRUARY	ch:18 Waste Water Story	ch:18 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.	ch-18 Locate an open drain near your home, school or on the roadside and inspect water flowing through it.