

AIR FORCE SCHOOL BAMRAULI
ANNUAL SPLIT-UP OF SYLLABUS

Academic session: 2024-2025

CLASS : IX

SUBJECT : CHEMISTRY

BOOK : SCIENCE FOR CLASS IX (NCERT)

MONTH NAME	CHAPTER/ UNIT	TOPIC/ SUBTOPIC	PERIODS	ACTIVITY
APRIL-MAY	Chapter-1 Matter in Our Surroundings	Definition of matter- solid, liquid and gas. Characteristics-shape, volume, density, Change of state- melting, freezing, evaporation, Condensation, sublimation, Evaporation (cooling by evaporation).	16	To determine the Melting point of ice and the boiling point of water. To prepare a) mixture b) compound using iron filings and sulphur powder and Distinguish these on the basis of i) appearance i.e. homogeneity/heterogeneity ii) Behavior towards a magnet iii) behavior towards carbon dioxide sulphide Effect of heat.
CLASS TEST FROM 22 APRIL TO 5 MAY SYLLABUS : CH 1				
JUNE-JULY	Chapter-2 Is Matter Around Us Pure	Elements, compounds and mixtures. homogeneous/heterogeneous Mixtures, True, Colloids and suspension, Physical and Chemical changes (Excluding separating the components of a mixture),	16	Practical. :To carry out the following reactions and classify them as physical and chemical changes a) reaction between iron and copper sulphate solution. b) burning of magnesium ribbon in air. c) zinc with dil. H ₂ SO ₄ d) Heating of CuSO ₄ . Na ₂ SO ₄ (aq) and BaCl ₂ (aq), acid, Heating of copper sulphate crystals Sodium sulphate with barium chloride in the form of their solutions in water
PT 1 FROM 1 TO 8 JULY, SYLLABUS: CH 1 & 2				
AUGUST	Chapter-2 Is Matter Around Us Pure	Pure substances, elements, Difference between mixtures and compounds	5	Preparation of true, suspension and colloidal solution and distinguishing them on the basis of 1. Transparency 2. filtration

	Chapter-3 Atoms and Molecules:	Atoms and Molecules, Chemical Formula of common compounds, Law of Chemical combination,	10	3.Stability II. Performing following reactions 1. Iron with copper sulphate solution in water 2. Burning of magnesium ribbon in air 3. Zinc with dilute sulphuric Verification of the law of conservation of mass in a chemical reaction.
SEPTEMBER	REVISION			Concept maps, Quizzes, Drawing, Puzzles, Discussions, Solving question etc
HALF YEARLY FROM 17 TO 30 SEPT, SYLLABUS : CH 1 & 2				
OCTUBER-	Chapter-3 Atoms and Molecules(continued)	Atomic and molecular masses, Valence, Chemical formulae of common compounds	6	
NOVEMBER	Chapter-4 Structure of Atoms:	Electrons, protons and neutrons,	10	
DECEMBER	REVISION		3	Concept maps, Quizzes, Drawing, Puzzles, Discussions, Solving question answers etc
9 TO 17 DEC. PREIODIC TEST SYLLABUS: CH 3				
JANUARY	Chapter-4 Structure of Atoms (continued)	valency Atomic number, mass number, Valency, Isotopes and isobars	9	
FEBRUARY	SAMPLE PAPER REVISION		10	PRACTICE
CLASS TEST FROM 5 TO 15 FEB SYLLABUS : CH 3 & 4				
MARCH	ANNUAL EXAM 3 MARCH ONWARDS COMPLETE SYLLABUS			