



BLOOM PUBLIC SCHOOL
C-8 Vasant Kunj New Delhi
SYLLABUS FOR THE SESSION 2025-26

Class: VIII
Subject: Science

SYLLABUS			
MONTH	CHAPTERS (NCERT TEXT BOOK)	CONTENT	Practical/Activities
April	Theme 1: Diversity in the living world (Bridge course)	Biodiversity, Flora and Fauna, Parts of plant, Plant classification, Types of roots, Leaf venation, Types of Seeds (Correlation between them), Sacred Grove, Silent valley Movement, Conservation of Biodiversity(Wildlife Sanctuary, National Park and Biosphere reserve)	Activity: Paste pictures related to flora (herbs, shrubs, and trees) and fauna.
May	Theme 2: Metals and Non Metals (Bridge course)	Physical properties (Metallic Lustre, Hardness, Malleability, Ductility, Sonorous Sound, Thermal Conductivity, Electrical Conductivity).Chemical properties (Reaction with oxygen, Reaction with water, Rusting of iron)	Activity: To test the nature of metallic oxides (burning of Magnesium ribbon), To test the nature of non-metallic oxides
	Theme 3: Sky, Galaxy, Motion of Earth (Bridge course)	Stars and constellations, Solar System, Revolution, Rotation, Day and night Simulation, Solar and Lunar Eclipse.	Activity: To explore the constellations using Stellarium app

July	Theme 4: Heat and Air	Hot air rising up, Water Cycle.Land Breeze and sea Breeze, Thermal Expansion.	Activity: Pg 44 Activity W4.1 Hot air rising up
	Chapter 2: The Invisible Living World: Beyond Our Naked Eye	Discovery of Cell,Structure of plant and animal cell, Bacteria, Amoeba, Paramecium, Algae, Fungi, Algae and Virus, Observing onion peel. Microorganisms and Food.	Activity: To observe onion Peel, permanent slides of Microbes under microscope.

August	Chapter 4 Electricity: Magnetic and Heating Effects	Magnetic effect of electric current, electromagnets. heating effect of electric current, Voltaic and dry cells, concept of rechargeable batteries.	Activity: Coil and Magnetic Compass (Pg 49, Activity 4.2 and 4.3) Activity 4.5 Pg 52 , Nichrome wire heating demo.
	Chapter 7 Particulate Nature of Matter (Activity based)	Composition of Matter. Interparticle attraction in Solid, liquids and Gas.	Activity 7.4. Liquids have a definite Volume Activity 7.5 Gases do not have definite Volume Activity 7.6 Applying external pressure reduces space between gas particles.
September		REVISION	
October	Chapter 3 Health: The Ultimate Treasure	Communicable and Non communicable diseases. Discovery of the first Antibiotic. Antibiotic resistance.	Canva Infographic on how antibiotic resistance has been developed in bacterial pathogens. Role Play on Communicable diseases.
November	Chapter 8 Nature of Matter: Elements, Compounds, and Mixtures	Elements, Compounds and Mixture. Minerals	Activity 8.5 (Demo) Appearance, Magnet and Gas Test of samples(Iron fillings and Sulfur powder)
	Chapter 5 Exploring Forces	Contact and Non Contact Forces, Magnetic, gravitational, electrostatic force, upthrust Force, Frictional force, Muscular force.	Demonstration of Electrostatic (5.6), Magnetic (5.5), Frictional force (5.3)
December	Chapter 10 Light: Mirrors and Lenses	Laws of reflection. Characteristics of images formed by Concave, Convex and Plane mirrors and Lens.	Activity 10.4: To observe the reflection of a beam of light from a plane mirror.(Laws of reflection) Activity 10.9: Compare the images formed through concave and Convex lens

January	Chapter 9 The Amazing World of Solutes, Solvents, and Solutions	Solute, Solvent and Solutions. Saturated and Unsaturated solution. Effect of temperature on solubility of solute. Density	Activity:9.7 Determining volume of solid objects with irregular shapes.
February	-	Revision	
March	-	Annual Exam	
ASSESSMENT SYLLABUS			
PERIODIC ASSESSMENT -1		Theme 1:Diversity in the living world Theme 2:Metals and Non Metals Theme 3:Sky, Galaxy, Motion of Earth	
PERIODIC ASSESSMENT -2		Chapter 3:Health: The Ultimate Treasure Chapter 8: Nature of Matter: Elements, Compounds, and Mixtures Chapter 5: Exploring Forces	
MID TERM EXAM		Theme 2:Metals and Non Metals Theme 4: Heat and Air Chapter 2: The Invisible Living World: Beyond Our Naked Eye Chapter 4: Electricity: Magnetic and Heating Effects	
FINAL EXAMINATION		Theme 2:Metals and Non Metals Theme 4: Heat and Air Chapter 2: The Invisible Living World: Beyond Our Naked Eye Chapter 3:Health: The Ultimate Treasure Chapter 4: Electricity: Magnetic and Heating Effects Chapter 5: Exploring Forces Chapter 8: Nature of Matter: Elements, Compounds, and Mixtures Chapter 9: The Amazing World of Solutes, Solvents, and Solutions Chapter 10: Light: Mirrors and Lenses	