

MORARJI DESAI RESIDENTIAL SCHOOL, BEVOOR, T: YELABURGA

Class: IX YEAR PLAN (SCIENCE) 2020-21

Month	Periods Available	Chapters/ Content	Periods Required	Teaching Aids	Completed / Not Completed	Reason For Not Completing	Homework Given	Teacher Sign	Principal Sign
May	02	Bridge Course	02						
June	26	Bridge Course Contd.... - Our Environment - Natural Resources -Structure of Atom -Chemical Reactions -Sound -Water and Evolution. 1 Matter in our Surrounding: Introduction, Characteristics of particles of matter, States of matter, Evaporation.	03 02 03 03 03 03 09	Stone Water Charts					
		2. Is matter around us pure?: Mixtures & Types of mixtures, solution & its concentration, suspension & colloids, Separation of components from mixture, elements & Compounds.	04	Chart Chock Water Filter paper Ink					

July	27	<p>5. The fundamental unit of life: Introduction Definition of cell, structural organization of cell.</p>	10	Charts Slides Microscope					
		<p>6. Tissues: Introduction, Plant tissues-types, structure & function. Animal tissues types, structure & function.</p> <p>FA-1</p>	10	Chart Microscope Slide					
August	24	<p>8 Motion: Introduction, Meaning, Motion along a straight line, distance traveled, Displacement, Uniform & Non-uniform motion, Speed & velocity, acceleration,</p>	08	Chart					
		<p>9 Force: Concept of force & its effects, Balanced & unbalanced forces, Newton's laws of motion with illustrations Conservation of momentum.</p>	09	Chart Model Weights Spring					
		<p>15: Improvement in food resources: Introduction, improvement in crop yields, crop production, management, storage of grains, animal husbandry, Animal based farming of cattle, poultry, fish & honey bee</p>	09	Pictures of different crops Animals					

September	25	10. Gravitation: Gravitation, Free fall, Mass and Weight Revision. FA 2 SA 2 Examinations	04 11 02 08	Stone Thread Duster					
October	05	Vacations 10. Gravitation: Trust & Pressure.	05	Rubber Ball					
November	23	10. Gravitation: Archimedes` Principle and Relative density. 3: Atoms & Molecules: Background History, Laws of chemical Combination, Meaning of atom, Symbols of elements, atomic mass, molecule, ion, chemical formula, molecular mass & mole concept.	05 18	Water tub Rubber Chart Periodic table					
December	25	4. Structure of Atom: Charged particles in matter, structure of an atom, distribution of electrons in different orbits, valency, atomic number, mass number, isotopes, isobars. 7. Diversity in living organisms: Need for classification of organisms, basis of Classification, Evolution, Hierarchy of classification, groups,	10 12	Chart Periodic table Diversity charts					

		kingdoms, classification of Plantae & Animalia. Nomenclature FA 3	02						
January	25	11. Work & Energy: Work: Scientific conceptions, work & force relation, Energy: Forms Kinetic & Potential energy, power, Commercial unit of energy.	09	Spring Rubber Water Charts					
		12. Sound: Production & Propagation, Reflection, range of hearing, applications of ultrasound, structure of human ear.	09	Bell jar expt. Chart					
		13. Why do we fall ill?: Health & its failures, Disease & its causes, types of diseases, infectious diseases. Principles of Prevention & treatment	09	Chart Videos					
February	24	14. Our Natural Resources: Need for natural resources, air, water, minerals, Biogeochemical cycles, Ozone layer	09	Charts Videos					
		Revision FA 4	13 02						
March	26	Preparatory and SA 2 Examinations	26						

Subject Teacher's Sign

Principal's Signature