

MORARJI DESAI RESIDENTIAL SCHOOL, BEVOOR, T: YELABURGA

Class: X YEAR PLAN (SCIENCE) 2020-21

Month	Periods Available	Chapters/ Content	Periods Required	Teaching Aids	Completed/ Not Completed	Reason For Not Completing	Homework Given	Sub-Teacher's Sign	Principal's Sign
May	02	Bridge Course	02						
June	26	Bridge Course Contd.... - Diversity in Living Organisms -Management of Natural Resources -Structure of Atom -Why do we Fall Ill -Work and Energy -Sound	03 02 02 03 03						
		1) Chemical Reactions and Equations -Balancing chemical equations Types of chemical reactions -Oxidation and reduction	04 09	NaOH HCl H ₂ SO ₄ Water Charts					
		2) Acids, Bases and Salts -Reactions of acids with metals -Acid base reactions pH and Salts 3) Life Processes -Types of nutrition -Respiration -Transportation in human beings and plants Excretion	08 08	Charts Acids, bases Salts Litmus paper Charts Models Videos					

		electric circuits 8) Our Environment -Ecosystem -Food chain -Depletion of ozone FA 2 Mid-Term Examinations	06 02 05	Charts of food chains and ecosystems					
October	5	9) Carbon and Its Compounds -Unique nature of carbon - Carbon compounds- Saturated and unsaturated	05	Charts					
November	23	-Homologous series -Nomenclature of carbon compounds -Chemical properties of carbon -Important carbon compounds -Soaps and detergents 10) Light –Reflections and Refraction (P) Reflection of light Spherical Mirrors Image formation by spherical mirrors. Ray diagrams Sign conventions for reflection. Mirror formula & Magnification Refraction of light Power of Lenses. 11) Periodic Classification of Elements -Newland’s law of	09 10	Charts Periodic Table Models Glass slab Prism Mirrors Lenses Candles Screen					

		<p>octaves</p> <p>-Mendeleev's periodic table</p> <p>-Modern periodic table</p> <p>-Periodic trends</p>	04	Periodic Table					
December	25	<p>12) How do Organisms Reproduce?</p> <p>-Reproduction in single organisms-types -Sexual reproduction in plants. Reproduction in humans</p>	08	Charts					
		<p>13) Heredity and Evolution</p> <p>-Mendel's contributions</p> <p>-Sex determination</p> <p>-Evolution, Fossils</p> <p>-Human evolution</p>	7	Charts					
		<p>FA-3</p> <p>11. Human Eye and Colourful world</p> <p>The human eye(Power of accommodation), Defects of vision & their correction, Refraction of light through a prism, Dispersion of white light by glass prism.</p>	02	Eye model					
		<p>Atmospheric refraction</p> <p>Scattering of light</p> <p>Tindal effect and its application.</p>	08	Videos					
		<p>15. Sources of Energy:</p> <p>Good source of Energy, Conventional sources of energy, Improvements in technology for using</p>		Charts					

January	25	conventional sources of energy. Alternative or Non-Conventional sources of energy Energy from the Sea. Geothermal & Nuclear Energy, Environmental consequences, How long will an energy sources last us?	08	Pictures Videos					
		16Sustainable Management of Natural Resources -Need to manage natural resources -Forest and wildlife -Water for all. Coal and Petroleum Revision and series test/examination	08 09	Charts Pictures Videos					
February	24	FA-4 Revision Daily Test Preparatory Exams	03 09						
March April	26 12	Daily Test Preparatory Exams SSLC Examination	26 12						

Subject Teacher's Sign

Principal's Signature