## 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	70						
		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 unit of life: Introduction Definition of cell, structural organization of cell, structural organization of cell.  6. Tissues: Introduction, Plant tissues-types, structure& function. Animal tissues types, structure & function. Animal tissues types, structure & function. FA-1  8 Motion: Introduction, Meaning, Motion along a straight line, distance traveled, Displacement, Uniform & Nonuniform motion, Speed & velocity, acceleration, 9 Force: Concept of force & its effects, Balanced & unbalanced forces, Newton's laws of motion with illustrations Conservation of momentum.  15: Improvement in food resources: Introduction, improvement in erop yields, crop production, management, storage of grains, animal husbandry, Animal based farming of cattle,			5. The fundamental		Charts				
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grains, animal husbandry, Animal					1 Milliais				
husbandry, Animal									
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poultry, fish & honey			_						
bee bee			1 2 2						

		10. Gravitation:	04					
		Gravitation, Free fall,		Stone				
		Mass and Weight		Thread				
September	25	Revision.	11	Duster				
1		FA 2	02					
		SA 2 Examinations	08					
		Vacations		Rubber				
October	05	10. Gravitation: Trust	05	Ball				
		& Pressure.						
		10. Gravitation:		Water tub	4	J. W.		
		Archimedes` Principle	05	Rubber				
		and Relative density.						
		3: Atoms & Molecules:				*		
		Background History,						
		Laws of chemical		Chart	20			
November	23	Combination, Meaning		10				
		of atom, Symbols of						
		elements, atomic mass,	18	Periodic				
		molecule, ion, chemical	4	table				
		formula, molecular mass						
		& mole concept.						
		4. Structure of		Chart				
		Atom: Charged particles	10	Periodic				
		in matter, structure of an		table				
		atom, distribution of	**					
		electrons in different						
		orbits, valency, atomic						
December	25	number, mass number,						
		isotopes, isobars.						
		7. Diversity in living						
		organisms: Need for	10	Diversity				
		classification of	12	charts				
		organisms, basis of						
		Classification,						
		Evolution, Hierarchy of						
		classification, groups,						

		kingdoms, classification						
		of Plantae & Animalia.						
		Nomenclature FA 3	02	~ .				
		11. Work & Energy:		Spring				
		Work: Scientific		Rubber				
		conceptions, work &	09	Water				
		force relation, Energy:		Charts				
		Forms Kinetic &						
		Potential energy, power,						
		Commercial unit of			4 4	O-A		
		energy.			1.0			
		12. Sound: Production						
January	25	& Propagation,		Bell jar	*	•		
		Reflection, range of	09	expt.				
		hearing, applications of		Chart	20			
		ultrasound, structure of			4			
		human ear.						
		13. Why do we		Qu >				
		fall ill?: Health & its	4	V Or				
		failures, Disease & its	09	Chart				
		causes, types of						
		diseases, infectious		Videos				
		diseases. Principles of	(A)					
		Prevention & treatment						
		14. Our Natural	*					
		Resources: Need for		Charts				
		natural resources, air,	09					
February	24	water, minerals,		Videos				
		Biogeochemical cycles,						
		Ozone layer						
		Revision	13					
		FA 4	02					
March	26	Preparatory and SA 2	26					
		Examinations						

**Subject Teacher's Sign** 

Principal's Signature