

MORARJI DESAI RESIDENTIAL SCHOOL, BEVOOR, T: YELABURGA

Class: VIII 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/June	20	Bridge Course Pretest Analysis Remedial teaching Post test	20						
June	08	1. Crop production and management. Agri-practices ,sowing Implements, Manures & fertilizer Irrigation and methods Protection, harvesting, storage	08	Charts Videos					
July	09	2. Microorganisms: Friend and Foe Introduction and habitat. Uses and benefits with illustrations. Harmful organisms and examples. Food preservation. Nitrogen Fixation and Cycle	09	Microscope Slides					
July	08	3. Synthetic Fibres and plastics: Introduction, Types of Fibres, Characteristics of fibres.	08	Fibre and Plastic Materials					

Prepared by Gulaam Rasool and Mahammad Jaheer, Science Teachers @ KREIS Dept

		Plastics and its properties Plastic and environment.							
July	08	11. Force and Pressure Concept , Changes due to force- Motion, shape, Contact and Non contact forces. Pressure, Atmospheric pressure	08	Rubber Spring Balloon					
July	02	FA 1	02						
August	07	5. Coal and petroleum Coal-Coke , Coal tar, Coal gas, Petroleum and refining Natural Gas, Limited resources.	07	Chart					
August	08	12. Friction Force of friction and factors affecting it. Force –Necessary evil Increasing and reducing friction with illustrations Fluid friction	08	Wooden box Weights					
August	09	7. Conservation of plants and Animals Deforestation-Causes and consequences , Conservation, Biosphere reserve, Flora and Fauna, Endemic species, Wildlife sanctuary, National park, Red data, Red data Book & Migration, Recycling paper, Reforestation.	09	Charts Videos Paper					
September	08	4. Materials: Metals and Non Metals	08	Copper Zinc					

		Physical and Chemical properties- Reactions with Oxygen, water, acid, Bases Uses.		Iron Acids Water					
September	08	13. Sound: Vibrating bodies, Sound production by human, Medium of propagation Ear to hear, Characteristics of sound, audible/Inaudible sounds. Music, Noise and noise pollution.	08	Whistle Bell jar Chart					
September	09	FA 2 and SA 1	09						
Oct/Nov	08	8. Cell- Structure and Functions: Discovery, Cell-No. Size and shape, Parts of cell- Cell membrane, Cytoplasm, Nucleus, Cytoplasm. Comparison of plant/Animal cell.	05	Slides Microscope Charts					
November	10	6. Combustion and Flame Concept and control of fire. Types of combustion. Flame and its structure. Fuel efficiency.	10	Paper Match stick					
November	10	14. Chemical effects of Electric Current Introduction and concept, Chemical effects of current.	10	Cell Battery Chart					

		Electroplating.							
December	11	9. Reproduction in Animals Modes , Sexual reproduction- Male/Female organs, Fertilisation, Development, Viviparous and oviparous animals, Metamorphosis, Asexual reproduction.	11	Charts Flower Yeast					
December	12	15. Some Natural phenomenon Lightning , Charges and its types Transfer of charge Lightning safety(Do's/Dont's) Earthquake and protection.	12	Chart Videos					
December	02	FA 3	02						
January	09	17. Stars and the Solar System Moon – its phases and surface Stars and constellations Solar system – Various planets. Other celestial bodies Artificial satellite	09	Videos Charts Solar system model					
January	09	10. Reaching the age of Adolescence Changes- Height, Body Shape, Voice,	09	Charts Videos					

		Maturity and Secondary sexual characters, Role of hormones, Reproductive phase, Sex determination, Other hormones, Health-Nutritional needs, personal Hygiene, Physical, Drugs.							
January	07	16. Light Concept of light, Reflection, Multiple images- kaleidoscope Eye structure, Care of eyes Braille system for visually challenged.	07	Lenses Mirrors Candle Screen Eye chart					
February	08	18. Pollution of Air and Water Air pollution- Causes and case study (Taj mahal), Preventive steps Water pollution- Causes and Case study (Ganga Action plan), preventive steps.	08	Chart Videos					
	12	Revision	12						
February	02	FA 4	02						
March	26	Revision and SA 2	26						
April	12	Evaluation and Result	12						

Subject Teacher's Signature

Principal's Signature