

Gopi Birla Memorial School 2023-24

GRADE 8

SCIENCE

Ms. Arlene Gonsalves

TERM I

MONTH	CHAPTERS	ACTIVITIES
APRIL	1. CROP PRODUCTION AND MANAGEMENT 2. CONSERVATION OF PLANTS AND ANIMALS	CROP PRODUCTION AND MANAGEMENT 1. To study the effect of manure and fertilizers on the growth of crops
JUNE	1. MICROORGANISMS: FRIEND OR FOE	MICROORGANISMS 1. To study the permanent slides of microbes 2. To observe root nodules in legumes for <i>Rhizobium</i> bacteria 3. To observe bread mould 4. To study the effect of yeast on dough 5. To show that CO ₂ is given out during fermentation 6. To mount spirogyra and observe it
JULY	1. FORCE AND PRESSURE 2. FRICTION	FORCE AND PRESSURE 1. To observe that liquids exert equal pressure at the same depth 2. To show that pressure in a liquid increases with depth 3. To observe a manometer and barometer FRICTION 1. To observe the action of rollers to reduce friction
AUGUST	1. SOUND	SOUND 1. To show that sound is produced through vibrating bodies 2. To show that sound requires a medium to travel

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	2. SOME NATURAL PHENOMENA	SOME NATURAL PHENOMENA 1. To observe the formation of charges by rubbing 2. To understand the types of charges and their interaction 3. To study the construction and working of an electroscope 4. To transfer charges using an electroscope
September	PA2 EXAM	

TERM II

MONTH	CHAPTERS	ACTIVITIES
SEPTEMBER	1. COAL AND PETROLEUM	
OCTOBER	1. COMBUSTION 2. LIGHT	COMBUSTION 1. To observe the difference between combustible and non-combustible substances 2. To prove that air is essential for burning 3. To prove that ignition temperature should be achieved for combustion to take place using a paper cup 4. To observe the structure of a flame LIGHT 1. To prove the laws of reflection 2. To observe the multiple images formed by 2 mirrors
NOVEMBER	1. LIGHT (contd)	3. To demonstrate the phenomenon of the blind spot 4. To observe the persistence of vision 5. To observe the structure model of an eye
DECEMBER	1. CHEMICAL EFFECTS OF ELECTRIC CURRENT	CHEMICAL EFFECTS OF ELECTRIC CURRENT 1. To test the conduction of electricity in various liquids 2. To observe electrolysis of water 3. To observe electroplating
JANUARY	1. AGE OF ADOLESCENCE	
FEBRUARY	1. REPRODUCTION IN ANIMALS	1. To observe the slides of (a) binary fission in amoeba (b) multiple fission (c) Budding (d) Ova and Sperm