

# Gopi Birla Memorial School 2024-25

**GRADE 8**

**SCIENCE**

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## TERM I

<b>MONTH</b>	<b>CHAPTERS</b>	<b>ACTIVITIES</b>
<b>APRIL</b>	1. CROP PRODUCTION AND MANAGEMENT	CROP PRODUCTION AND MANAGEMENT 1. To study the effect of manure and fertilizers on the growth of crops
<b>JUNE</b>	1. MICROORGANISMS: FRIEND OR FOE  2. CONSERVATION OF PLANTS AND ANIMALS	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 <sub>2</sub> is given out during fermentation 6. To mount spirogyra and observe it
<b>JULY</b>	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
<b>AUGUST</b>	1. SOUND  2. SOME NATURAL PHENOMENA	SOUND 1. To show that sound is produced through vibrating bodies 2. To show that sound requires a medium to travel  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
<b>September</b>	Revision	

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### TERM II

MONTH	CHAPTERS	ACTIVITIES
<b>OCTOBER</b>	1. COAL AND PETROLEUM  1. COMBUSTION	<b>COMBUSTION</b> <ol style="list-style-type: none"> <li>To observe the difference between combustible and non-combustible substances</li> <li>To prove that air is essential for burning</li> <li>To prove that ignition temperature should be achieved for combustion to take place using a paper cup</li> <li>To observe the structure of a flame</li> </ol>
<b>NOVEMBER</b>	1. LIGHT	<ol style="list-style-type: none"> <li>To prove the laws of reflection</li> <li>To observe the multiple images formed by 2 mirrors</li> <li>To demonstrate the phenomenon of the blind spot</li> </ol>
<b>DECEMBER</b>	1. LIGHT (contd)  2. CHEMICAL EFFECTS OF ELECTRIC CURRENT	<ol style="list-style-type: none"> <li>To observe the persistence of vision</li> <li>To observe the structure model of an eye</li> </ol> <b>CHEMICAL EFFECTS OF ELECTRIC CURRENT</b> <ol style="list-style-type: none"> <li>To test the conduction of electricity in various liquids</li> <li>To observe electrolysis of water</li> <li>To observe electroplating</li> </ol>
<b>JANUARY</b>	1. AGE OF ADOLESCENCE	
<b>FEBRUARY</b>	1. REPRODUCTION IN ANIMALS	<ol style="list-style-type: none"> <li>To observe the slides of (a) binary fission in amoeba (b) multiple fission (c) Budding (d) Ova and Sperm</li> </ol>