

**Bharatiya Vidya Bhavan's Public School  
(Vidyashram)  
Jubilee Hills  
2017-2018**

**Class: VIII**

**Subject: Science**

**Year Plan**

S.No.	Month	Topic
1.	March/April	1.Cell structure 2. Force and pressure.
2.	June	1.Friction 2.Crop Production and Management
3.	July	1 Sound 2. Microorganisms. 3.Combustion and Flame
4.	August	1.Coal and petroleum 2.Synthetic Fibres and Plastics(Home Assignment)
5.	September	Revision and Half yearly Exam
6.	October	1.Light 2.Metals and Non-Metals
7.	November	1.Chemical effects of Electric current 2.Conservation of plants and Animals 3. Reproduction
8.	December	1.Reaching the age of Adolescence 2.Natural phenomenon
9.	January	1.Pollution of Air and Water 2.Stars and solar system (Home assignment)
10	February	Revision for II TERM Examination

### Term I syllabus for Assessment

Type of Assessment	Syllabus
Periodic test 1	<ul style="list-style-type: none"> <li>• Cell structure</li> <li>• Force and pressure.</li> <li>• Friction</li> </ul>
Periodic test 2	<ul style="list-style-type: none"> <li>• Sound</li> <li>• Microorganisms.</li> <li>• Combustion and Flame</li> </ul>
Half-Yearly examination	<ul style="list-style-type: none"> <li>• Cell structure</li> <li>• Crop Production and Management</li> <li>• Force and pressure.</li> <li>• Friction</li> <li>• Sound</li> <li>• Microorganisms.</li> <li>• Combustion and Flame</li> <li>• Coal and petroleum</li> </ul>

### Term II syllabus for Assessment

Type of Assessment	Syllabus
Periodic test 3	<ul style="list-style-type: none"> <li>• Light</li> <li>• Metals and Non-Metals</li> <li>• Chemical effects of Electric current</li> </ul>
Revision test	<ul style="list-style-type: none"> <li>• Natural Phenomenon</li> <li>• Reproduction</li> </ul>
Annual examination	<ul style="list-style-type: none"> <li>• Light</li> <li>• Metals and Non-Metals</li> <li>• Chemical effects of Electric current</li> <li>• Conservation of plants and Animals</li> <li>• Reaching the age of adolescence</li> <li>• Reproduction</li> <li>• Natural Phenomenon</li> <li>• Pollution of Air and Water</li> <li>• Cell structure(term 1 )</li> <li>• Force and pressure.(term 1)</li> <li>• Sound(term 1)</li> </ul>

## Lab Activities

Month	Topic	Activity
June	Cell structure and functions Force pressure and friction	Temporary mount of onion peel, animal cheek cell. Activities on force, pressure and friction
July	Sound	Sound needs medium for propagation Sound does not travel in vacuum
August	Combustion and flame	Zones of candle flame
October	light	Laws of reflection Dispersion of light kaleidoscope
November	Metals and non-metals	Displacement reaction Reaction of metals with acids and bases
December	Natural phenomena Chemical effects of electric current	Electroscope Conductors and insulators
January	Reproduction	Budding in hydra Binary fission in amoeba