

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

Class: X

Subject: Science

Year Plan

S.No.	Month	Topic
1.	March/April	Electricity part-I Chemical reactions
2.	June	Electricity part (contd) Life processes part-I
3.	July	Life processes part-II Acids ,Bases and Salts Magnetic effects of electric current
4.	August	Metals and Non-metals Magnetic effects of electric current (contd) Control and co-ordination Sources of energy
5.	September	Revision & Half Yearly
6.	October	Environment Natural resources Light- Reflection
7.	November	(contd) Refraction Carbon compounds Periodic classification of elements
8.	December	Human eye and the colorful world Reproduction Heredity and evolution
9.	January	Revision for II Annual Examination
10	February	Revision for II Annual Examination

Term I syllabus for Assessment including Lab Activities

Type of Assessment	Syllabus
Periodic test 1	<ul style="list-style-type: none"> • Chemical reactions • Life processes part-I • Electricity part-I
Periodic test 2	<ul style="list-style-type: none"> • Acids ,Bases and Salts • Life processes part-II • Magnetic effects of electric current
Half-Yearly examination	<p>Chemical reactions Life processes part-I& II Acids ,Bases and Salts Metals and Non-metals Control and co-ordination Electricity part-I Magnetic effects of electric current Sources of energy</p> <p>Bio chem Lab skills: Chemical reactions, Preparing temporary mount of leaf peel to study stomata, co₂ is given out during respiration, light is necessary for photosynthesis, properties of Acids and bases, Activity series of metals-Al,Fe,Zn,Cu</p> <p>Physics Lab skills: Verification of Ohm's law and effective resistance of resistors connected in series and parallel</p>

Term II syllabus for Assessment including Lab Activities

Type of Assessment	Syllabus
Periodic test 3	<ul style="list-style-type: none"> • Carbon compounds • Environment • Natural resources • Light Reflection • Refraction
Revision test/prefinal-1	<ul style="list-style-type: none"> • Chemical reactions • Life processes part-I& II • Acids ,Bases and Salts • Metals and Non-metals • Control and co-ordination
Revision test/prefinal-2	<ul style="list-style-type: none"> • Chemical reactions • Life processes part-I& II • Acids ,Bases and Salts • Metals and Non-metals Control and co-ordination <p>Bio chem Lab skills: Properties of ethanoic acid, preparation of soap, cleansing action of soap in soft water and hard water, binary fission in amoeba, budding in yeast, homology and analogy in plants and animals, study of dicot seed</p> <p>Physics Lab skills: Calibration of focal length of a given concave mirror and convex lens, To study the laws of refraction using glass slab, to study the path of ray passing through glass prism, plotting the ray diagrams- graph sheets convex</p>
Annual Syllabus	All the topics of term 1 &2 including practical skills.