

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

Class-IX

Subject: science

Year Plan

S.No.	Month	Topic
1.	April	Cell- The fundamental unit of life. Motion.
2.	June	2. Tissues. Motion (cont)
3.	July	3. Matter in our surroundings. 4. Is matter arround us pure? Force and Newtons laws.
4.	August	5. Improvement of crops. Gravitation
5.	September	Revision for Halfyearly Examination.
6.	October	6.Diversity in living organisms 7. Atoms and molecules. Floatation.
8.	November	8.Structure of an atom. 9.Why do we fall ill? Work and energy.
9.	December	10. Natural Resources. Sound.

Term I & Term II syllabus for Assessment

Type of Assessment	Syllabus
Periodic test 1	<ol style="list-style-type: none"> 1. Cell 2. Tissues (plant tissues only). 3. Motion.
Periodic test 2	<ol style="list-style-type: none"> 1. Matter in our surroundings. 2. Animal Tissues. 3. Force and Newtons laws..
Halfyearly examination	<ol style="list-style-type: none"> 1. Cell 2. Tissues 3. Matter in our surroundings. 4. Is matter around us pure? 5. Improvement of crops. 6. Motion. 7. Force and Newton laws. 8. Gravitation
Periodic test 3	<ol style="list-style-type: none"> 1. Diversity in animals 2. Atoms and molecules. 3. Floatation. 4. Work and energy.
Prefinal -1	<ol style="list-style-type: none"> 1. Cell 2. Tissues. 3. Matter in our surroundings. 4. Is matter around us pure? 5. Improvement of crops. 6. Atoms and molecules. 7. Structure of an atom. 8. Motion. 9. Force. 10. Gravitation-I 11. Floatation. 12. Work and Energy. 13. Sound.
Prefinal-II	<p>All the above topics including Why do we fall ill? Natural resources.</p>

Lab Activities

Month	Topic	Activity
June	Cell	Preparation of temporary mount of onion peels cells and cheek epithelial cells.
July	Tissues Solutions Separating the components of a mixture	To study permanent slides of plant and animal tissues Study of True solution, colloidal solution and suspension. Study of properties of mixture and compounds(Fe & S)
August	Change of State Cell Presence of starch and presence of food adulterant	To find out experimentally the Melting point of ice and boiling point of water To calculate the amount of water absorbed by raisins. To test starch from given food samples.
October	Diversity of plants Measurement of density	To study the characteristics of permanent specimens of plants –Spirogyra, Agaricus, Pine male and female cone and angiospermic plant. To determine the density of a solid object (phy)
November	Diversity of animals Archimedes principle	To study the characteristics of permanent specimens of animals- earthworm, fish, bird and life cycle of mosquito. To verify Archimedes principle (phy)
December	Chemical reactions Reflection of sound	To study the types of chemical reactions –combination, decomposition displacement, and double displacement. To verify the laws of reflection of sound.
January	Velocity of a pulse	To determine the speed of pulse