

**ARMY PUBLIC SCHOOL, MUMBAI (2019-2020)**  
**STANDARD CURRICULUM**

**CLASS:XI**

**SUB: BIOLOGY**

<b><u>S.I NO</u></b>	<b><u>TOPIC</u></b>	<b><u>MONTH</u></b>	<b><u>CORE VALUE</u></b>	<b><u>VALUES AND SKILLS</u></b>	<b><u>ACTIVITIES</u></b>
1	<b>The Living World,Biological Classification</b>	JUNE	Team Work	Curiosity, Appreciation, knowledge	Analyzing the structural difference between prokaryotes and unicellular eukaryotes
1	<b>Diversity of Living Organisms. ( Plant Kingdom, Animal Kingdom)</b>	JULY	Environmental Awareness	Interdependence, Cooperation, Analysis. Comparison	Analyzing plant and animal samples and classifying them.
2	<b>Structural Organization in Plants &amp; Animals( Morphology of Flowering Plants,Anatomy of Flowering Plants,Structural Organization in Animals)</b>	AUGUST	Patriotism and Nationalism	Observation, Contrasting and Analyzing, Interdependence	Preparation of temporary slides of Dicot and Monocot Stems and Roots, Compare and Contrast
3	<b>Cell: Structure and Function: Cell-The Unit of Life,Biomolecules,Cell Cycle and Cell Division.</b>	SEPTEMBER	Discipline and Diligence	Exchange of ideas, Knowledge, Critical thinking	Observing and analyzing mitotic and meiotic division through permanent slides/ Synopsis presentation
4	<b>Plant Physiology (Transport in Plants,Mineral Nutrition)</b>	OCTOBER	Diversity and Togetherness	Openness to ideas: Knowledge, critical thinking	Students perform experiments to demonstrate the dependence of plants on water and sun light .
5	<b>Plant Physiology(Photosynthesis in Higher Plants, Respiration in PlantsPlant - Growth and Development,)</b>	NOVEMBER	Gender sensitivity	Self- confidence, Analytical thinking	Experiment to analyze the presence of starch in green leaves
6	<b>Human Physiology (Digestion and Absorption,Breathing and Exchange of Gases,Body Fluids and Circulation)</b>	DECEMBER	Perseverance	Co-operation' Knowledge, Appreciation	Analysis of starch, protein and fats - experimentally
7	<b>Human Physiology(Excretory Products and Their Elimination,Locomotion and Movement,Neural Control and Coordination,Chemical Coordination and Integration)</b>	JAUARY	Effective Communication	Inter dependence, Knowledge, Critical analysis	Presentation of Synopsis on various systems of the Human body.