

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

CLASS:XII

SUB: BIOLOGY

<u>SI NO</u>	<u>MONTH</u>	<u>TOPIC</u>	<u>CORE VALUE</u>	<u>SKILLS AND ATTRIBUTES</u>	<u>ACTIVITY</u>
1	APRIL	Reproduction in organisms. Sexual reproduction in flowering plants Human reproduction, Reproductive health	Self-Awareness	Curiosity, Critical and Active thinking	Study of adaptations for pollination. Germination of seeds to study the parts of the seed.
2	JUNE	Principles of Inheritance and variation, Molecular basis of Inheritance	Team Work	Curiosity Environmental awareness	Researching and discussing the pedigree and symptoms of genetic disorders
3	JULY	Evolution	Environmental Awareness	Critical analysis	Compare and analyze analogous and homologous organs
4	AUGUST	Human health and diseases Microbes in Human welfare Strategies of enhancement of food production, Organisms and populations	Patriotism and Nationalism	Community development/awareness of ecological balance	Analytical study of the various types of cancer and its prevalence. Study of common vector borne disease causing organisms/ slide observation Comparison of various ecosystems
5	SEPTEMBER	Revision of topics	Discipline and Diligence		
6	OCTOBER	Biotechnology: Principles and processes, Biotechnology-applications	Diversity and Togetherness	Curiosity, critical thinking	Analysis of newspaper article on Recombinant DNA technology to treat genetic disorder
7	NOVEMBER	Ecosystem Biodiversity and conservation , Environmental Issues	Gender Sensitivity	Environmental consciousness	Students analyze the various prevalent environmental issues in India
8	DECEMBER	Revision	Perseverance		
9	JANUARY	Revision	Effective Communication		