

Subject : Biology

Sr. No.	Month	Chapters	Learning Outcomes
1	APRIL -MAY	Life Processes Nutrition Respiration Transportation in human beings Transportation in plants Excretion	Students will be able <ul style="list-style-type: none"> • To draw human digestive system. • To draw structure of human respiratory system. • To Explain mechanism of breathing • To explain types of respiration. • To understand structure and function of different blood corpuscles. • To draw the structure of heart. • To draw the structure of human excretory system. • To explain structure of kidney. • To understand to process of urine formation. Students will know and understand : <ul style="list-style-type: none"> • nutrition in organisms • human alimentary canal in digesting and absorbing food. • role of enzymes in digestion.
2	JUNE	Life Processes Photosynthesis Transpiration Ascent of sap Respiration Excretion in plants	The students will be able <ul style="list-style-type: none"> • To understand different phases photosynthesis. • To understand biochemical reactions of respiration. • To differentiate between Aerobic and anaerobic respiration. • To explain transpiration and ascent of sap in plants. • To explain excretion in plants
3	JULY	Control and Co-ordination in animals and	Students will know and understand <ul style="list-style-type: none"> • To draw the structure of neuron, reflex arc and brain. • To explain different parts of brain and their functions. The students will be

		plants	<p>able</p> <ul style="list-style-type: none"> To locate different types of glands in human body. To differentiate exocrine and endocrine glands . Explain different types of hormones, their source gland and functions.
4	AUGUST	REVISION Half Yearly Examinations	
5	SEPTEMBER	Reproduction in animals and plants	<p>The students will be able to</p> <ul style="list-style-type: none"> Define and explain sexual and asexual reproduction in plants. Explain types and importance of pollination. Define and explain important concepts in the human reproduction. Draw and explain structure of human male and female reproductive system. Explain the events of reproduction in human. Students learnt to prevent themselves from different STDs.
6	OCTOBER	Heredity and Evolution	<p>Students will be able</p> <ul style="list-style-type: none"> To explain Mendel's Laws of inheritance To understand human sex determination They learnt to analyse and infer the blood group present in them by the parental crosses The students understand the difference between Mendelian cross and chromosomal inheritance. The students learnt to illustrate the monohybrid and dihybrid crosses and evaluate phenotypic and genotypic ratio in different generation.
7	NOVEMBER	Our environment	<p>Students will be able</p> <ul style="list-style-type: none"> To know about biodegradable and non biodegradable substances

			<ul style="list-style-type: none"> • To explain effect of non biodegradable substances leads to pollution. • To understand about global warming. • To understand food chain food web, trophic levels and ecological pyramids. • To explain ecosystem and its components.
8	DECEMBER JANUARY	REVISION Pre- Board Examinations	
9	FEBRUARY MARCH	BOARD Examination	